
Sustainability Calling

Underpinning Technologies

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Colors section

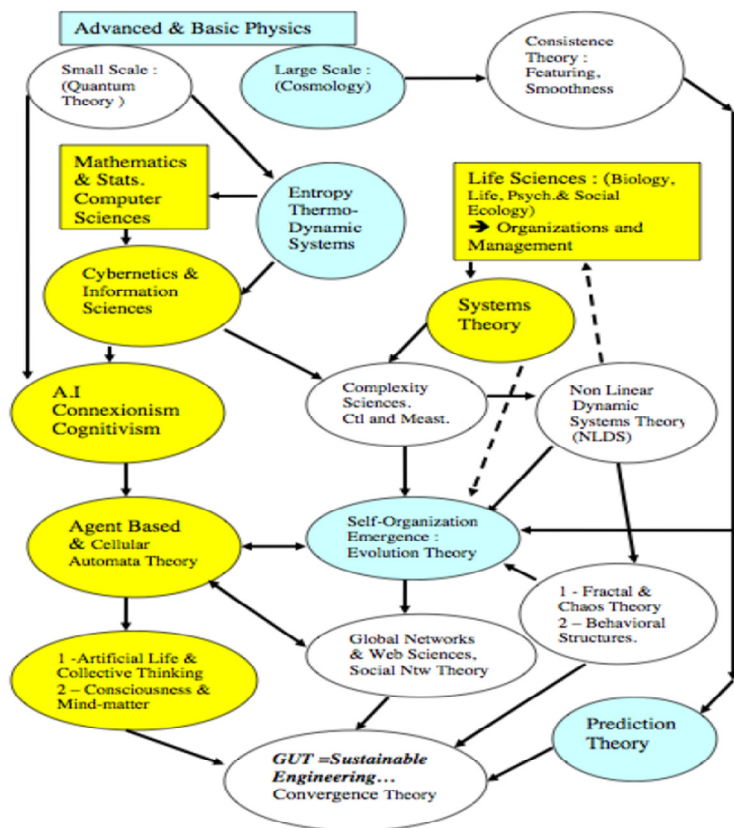


Figure I.4. The interconnection of sciences and theories.



Figure 2.2. The Ancient Rome (between 264 and 27 before JC);
[\(http://www.larousse.fr/encyclopedie/autre-region/Rome_antique/\)](http://www.larousse.fr/encyclopedie/autre-region/Rome_antique/).

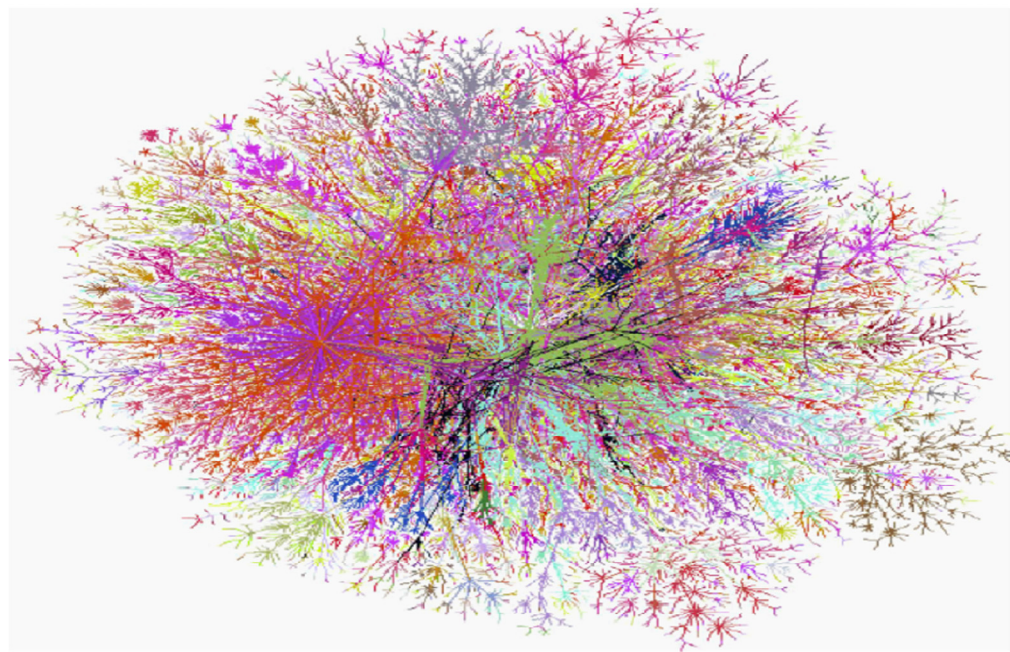


Figure 4.1. Interconnections through the Web. Internet routes and nodes.

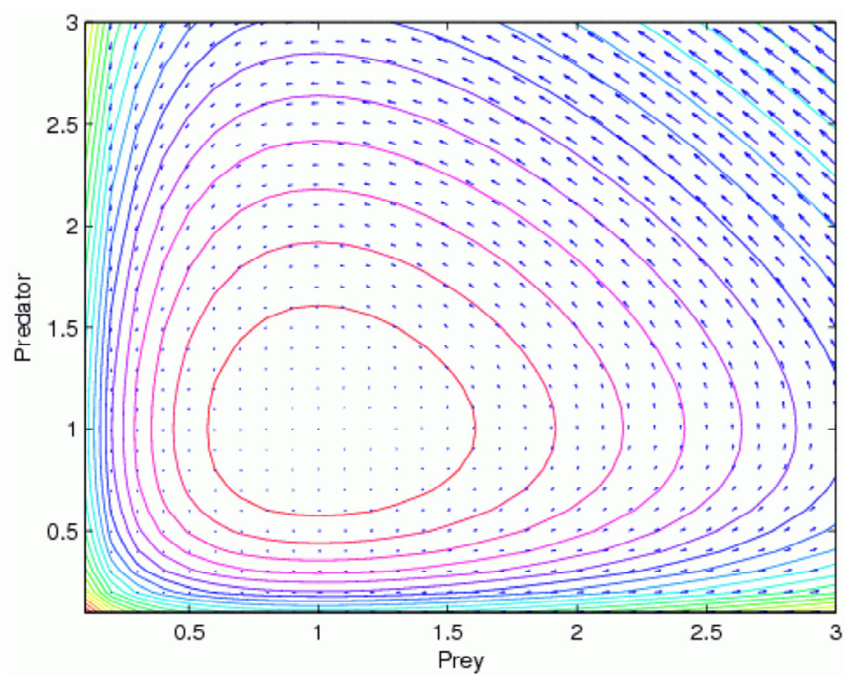


Figure 4.3. Prey-predator population evolution over time [MAS 03]

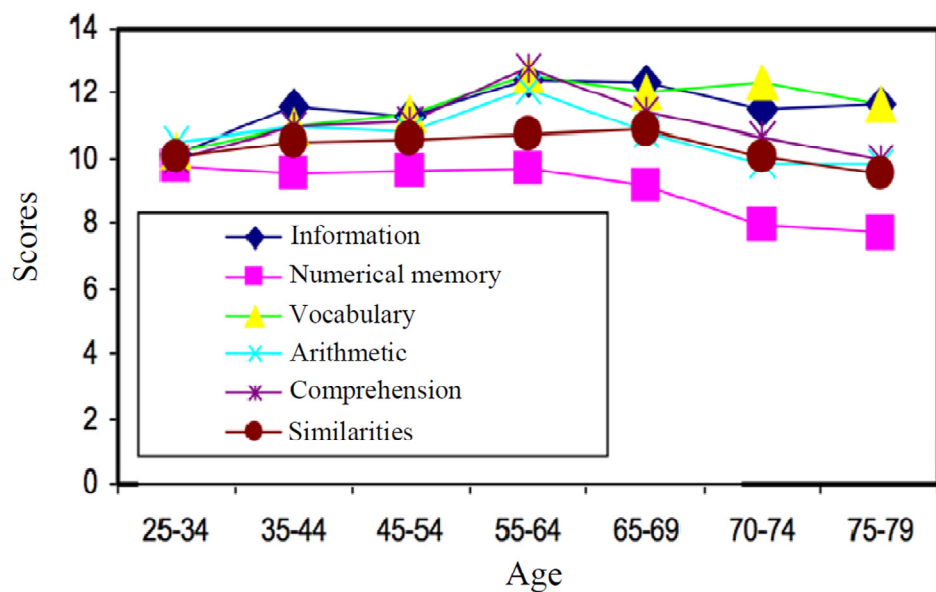


Figure 7.2. *Mental abilities scores in population by age categories [LEM 14].*

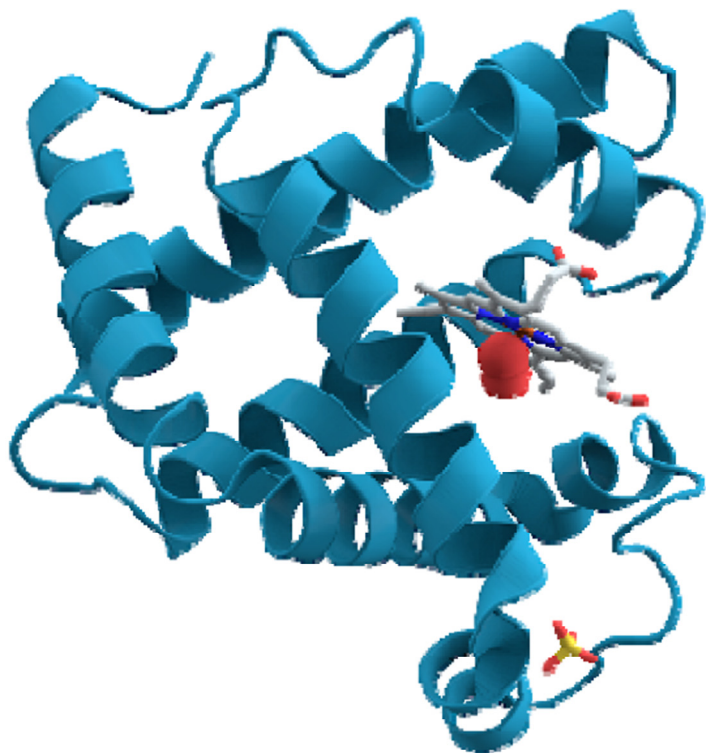


Figure 10.2. 3D structure of the myoglobin protein showing turquoise α -helices

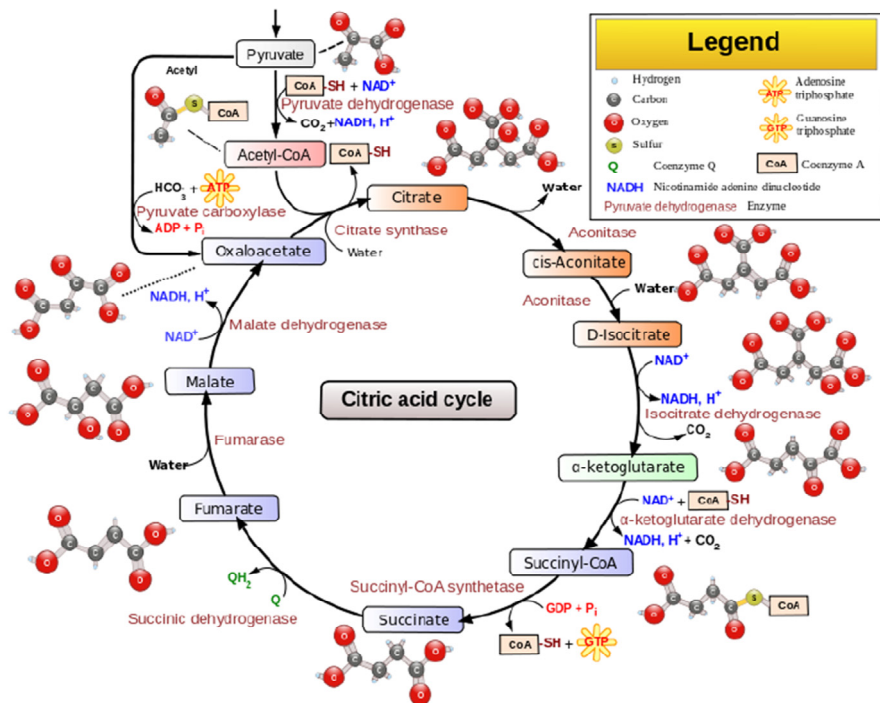


Figure 10.3. Molecular interactions in the TCA Krebs cycle.

METABOLIC PATHWAYS

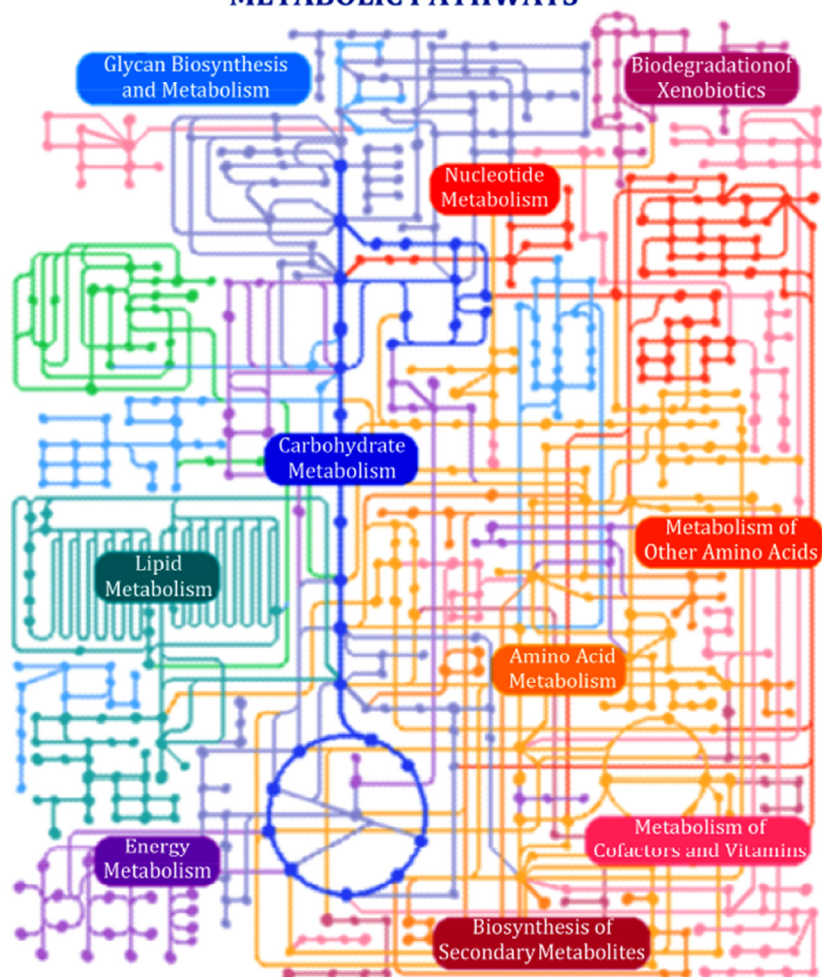


Figure 10.4. Cell metabolism overview.

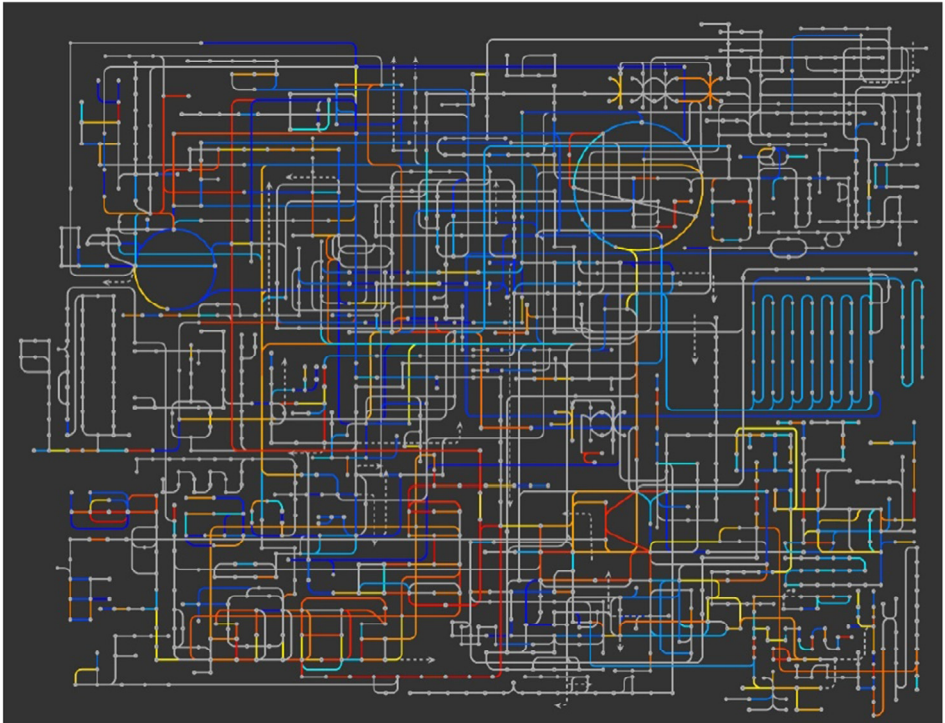


Figure 10.5. Enhancing the genes' expression through coloring the human metabolic network. Figure provided by the "CUMC Office of Communications", cumcnews@columbia.edu, 212-305-3900.

Associative areas	Metaconsciousness	Operative structures
Associative areas	Explicit consciousness	Operative structures
Secondary sensory areas	Implicit consciousness	Figurative structures
Sensory primary areas	Subconsciousness	Nerve Impulses
Limbic system	Unconsciousness	Nerve impulse

Figure 10.6. *Five levels of the progressive evolution of cognitive capabilities.*