

# Science of Life

4D System  
(Patho) Physiology  
The work of Bert Verveen

# 4D System Dynamics

- Physiology
- Psychology
- Sociology
- Ecology

# Cell Communication Domains

- Information Integration
- System Singularity Regulation
- Physiology (Cell Communication)
- Anatomy (Materials secreted by living cells)

# Cell Material Production

- Intelligent Gels
- Transducer Transponder (Transistor)
- Liquid Crystal
- Piezo Electric

# Cell Molecule Domains

- Pigment
- Hormone
- Enzyme
- Protein

# Cell Communication Fields

- Light
- Electromagnetism
- Chemistry
- Physics

# Cell EM Communication Fields

- Light Field
- Radio Field
- Free Electron Flow (Acid-Base Balance)
- Bound Electron States

# EM Field Transitions

- Photon Leap
- Electron Leap
- Electron Oscillation
- Electron Bonding



# (EM) Field Dynamics

- Information
- Regulation
- Processing
- Structure

# Phase Characteristics

- Field Information in Formation
- Boundary Singularity
- Interface Innerphasing
- Cell Phase States

# Cell Complexification

- Cell
- Cell Division
- Cell Communication
- Cell Cycles (Metabolomes)

# Cell Consciousness Levels

- Cell Conscious
- Organ Sub-conscious
- Body Un-conscious
- Environment Out-of-conscious