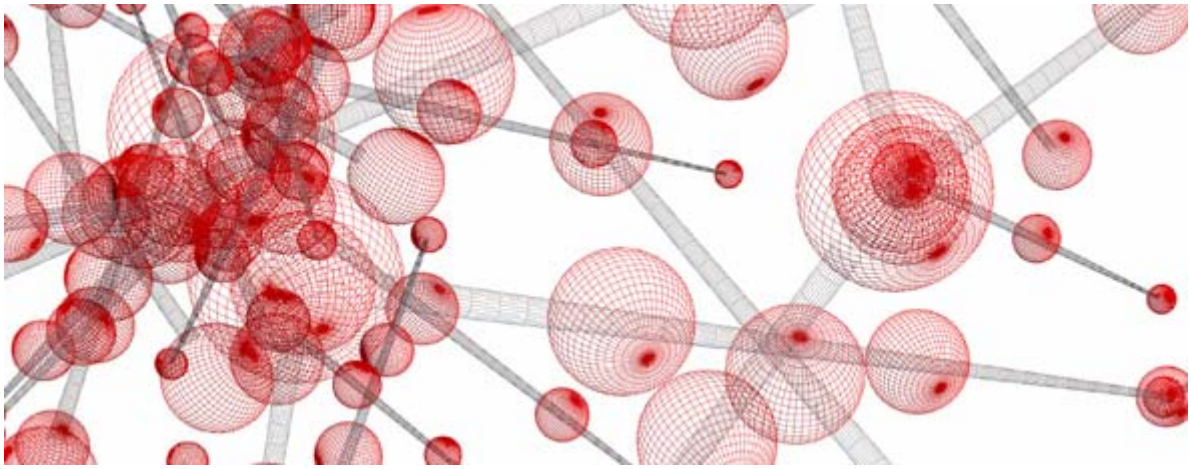

THE SCIENCE BEHIND THE ARCHAEA ACTIVE™ FORMULA

By Dr. James R. Collins, co-founder

Though not obvious to the human eye, everything happens at the molecular level. Actions, behaviors, sickness, health and all other events and activities do not just happen; something triggers each and every one. In every case there is an initiating cause. The response that follows is carried out by a finely controlled cascade of stimuli that informs essential cells what is required of them.

The most obvious bodily response is seen when someone desires to perform an act. The brain makes a decision to act after processing information received via the eyes, ears, touch, etc. An electrical impulse progresses via nerves to the appropriate muscles or organs that then respond as directed, and the body performs the desired response or task, compensating as necessary.

Other subtle events are continuously occurring between cells. These continuing complex concerts of choreographed cellular communications are not orchestrated by the brain via the nerves, but by tiny quantities of small molecules moving between cells, called cell-signaling molecules.

Depending on who is counting, estimates are that there are 50 trillion to 100 trillion cells in the average adult human body. They must survive as part of the whole; each is dependent on all of the others for its very survival.

How, then, do cells effectively communicate to most assure the survival, efficient cooperation and contentment of all? How does a cell, whether human, animal, microbial or even plants, know when to do all it is called upon to do and then do so in concert with all other cells? The brain and nervous system are only a small part of the answer. There must be specific, defined, and unfailing communication between cells, and the action must occur on time and in the proper sequence.

Precise ubiquitous accurate communication between cells is possible only by movement of specific messenger molecules between cells, even if far apart.

The communicating entities that orchestrate any concert of activity are very specialized tiny molecules of which there is a vast array of signal carriers. This is the foundation of the science behind the Archaea Active™ discovery.

We believe that the proprietary formula and manufacturing process of the Archaea Active™ discovery have created cell-signaling molecules that initial in-vitro tests indicate have metabolic characteristics similar to those compounds associated with having anti-inflammatory properties and increased cellular oxygen utilization.