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Lawrence R. Stowe, PhD

Dr. Larry Stowe is the managing director of The Stowe Foundation, a fully certified 501c3 Public Charity, established in April 2003 and headquartered in Fort Worth, TX. The Stowe Foundation supports adult stem cell research for Regenerative Medicine and helps to create comprehensive immune therapy protocols based on biological medicines, biological response modifiers, autologous vaccines and biologically active energy fields. The work is guided by the Stowe Foundation's signature concept of personalized medicine, Applied BioLogics. Dr Stowe is also the President and CEO of Stowe BioTherapy, Inc a Center for Regenerative Medicine in San Diego, CA that provides the technology of The Stowe Foundation in a clinical setting.



In 1995, Dr. Stowe was a founding member of Survive Until a Cure, a non-profit medical research foundation that supports the clinical application of immune therapy. In recent years, Dr. Stowe has focused his work on the concept of modulating the immune system through biological medicine and human cell therapy to treat cancer, viral infections and autoimmune disorders. The adult stem cells help to regenerate healthy tissue that has been damaged by the chronic inflammation associated with all chronic illness. Applied BioLogics is used to control the chronic inflammation and position the immune system into a healing response.

Early in his professional career (until 1988), Dr. Stowe was a Senior Research Engineer for Mobil Oil Research and Development and remains an international consultant to Mobil Oil Exploration and Production, now Exxon/Mobil. Since his formal departure from Mobil Oil, Dr. Stowe has served as a technology consultant to several biotechnology firms and served as the Science Advisor to the BioTherapy Clinic of Texas. He has been a small business technology partner with Los Alamos National Laboratory and has been an invited speaker at the White House Symposium on the Development of Environmental Technology. Dr. Stowe holds sixteen US patents.

Dr. Stowe obtained his Ph.D. from the University of Illinois in 1982 in Chemical Engineering and Biomolecular Engineering and received a master's degree in Chemical Engineering and Biomedical Engineering in 1978 from Iowa State University. He graduated from Iowa State University with a Bachelor of Science degree in Chemical Engineering in 1975. During his academic years, Dr. Stowe received a variety of scholastic honors including being named a guest lecturer by the University of Illinois.



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Starting in 1988, when Dr. Stowe served as a consultant to True Health, he began writing white papers for immune compromised clients on the novel biological and immune system approaches to the treatment of cancer and viral infections. Among these are:

- The Role of Essential Fatty Acids in the Treatment of Viral Infections
- Historical and Current Applications of Whole Body Hyperthermia
- A Method to Strengthen the Immune System and Enhance Survival Rates in Stage D Prostate Cancer

Dr. Stowe's immune therapy concepts were first applied in a controlled clinical trial with 30 AIDS patients in 1989. Dr. Terry Pulse, the principal investigator, published this landmark study in 1990 in the Journal of Advancement in Medicine Volume 3, Number 4. The clinical trial clearly demonstrated that a devastated immune system could be rebuilt and functionally restored using sophisticated biologic response modifiers, transfer factors and nutritional biotherapy. This was the first clinical demonstration of the therapeutic benefits of natural killer cell therapy. Dr. Stowe has continued to develop this immunology concept into the field known as comprehensive immune therapy (Applied BioLogics). When combined in an integrative program with allopathic medicine, immune therapy can provide a pathway to treating the previously incurable diseases.

Dr. Stowe continued to advance the science of immune therapy through his work on whole body hyperthermia. Artificially high fevers are able to trigger an aggressive immune response to both cancer and AIDS. Dr. Stowe has lectured at several professional conferences for integrative medicine on the outstanding results that have been obtained in the treatment of these intractable conditions. Most recently, Dr. Stowe has worked on the utilization of cold lasers and far infrared light to trigger a localized metabolic response and generate an immune response in the region of a tumor. He has also conducted studies on the effects of low intensity pulsed magnetic fields, electrical fields and acoustic fields to change the energy environment of biological tissue. The biologically active energy fields present a unique opportunity to communicate with the cell membrane walls and potentially the DNA of the cells to modulate cellular activity.

The controlled energy fields have demonstrated the ability to enhance circulation and lymphatic drainage, which leads to a substantial improvement in the bio-terrain of the body. The energy fields can also turn on and turn off certain metabolic functions within the targeted tissue. Another field of study is in biofeedback. Biofeedback reports on the biological reactivity and resonance in your body to minute energy disturbances, on the level of quantum physics. The energy patterns indicate specific dysfunctions and vulnerabilities of the organs and tissue beds. Biofeedback is a very effective tool to stimulate and harness the tremendous capacity of the human immune system for self-healing.



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Since 1995, Dr. Stowe has been involved in the therapeutic application of cytokine therapy. Cytokines are the body's natural biological weapons against malignant cells and invading organisms. In-vivo cytokine production can be stimulated through the use of natural biologic response modifiers that can be extracted from plants such as the aloe vera plant and medicinal grade mushrooms.

It is also possible to harvest endogenous monocytes from a patient's blood and then create an autologous blood product in the laboratory that has been significantly enhanced with the production of the patient's own cytokines. The cytokines can be targeted on the patient's cancer by extracting tumor-associated antigens from tissue samples, urine samples and highly purified tumor cell lines and exposing the antigens to the white blood cells. The broth becomes an autologous vaccine or immune activation serum. By infusing the vaccine back into the region of the lymph nodes, the body's immune system can be activated to trigger a healing response. Cytokine therapy combined with hyperthermia and biologic response modifiers is pointing the way to a non-toxic therapy for metastasized cancer. Manipulating the activity of natural killer cells can further enhance the cell-mediated response of the immune system. The NK Cells do not need an antigen presentation to be effective against abnormal cells and hence NK Cell Therapy offers a novel pathway to treat disease.

In recent years, medical science has created a vast new understanding of the complex human immune system and the body's innate ability to heal itself. New medical technology has emerged from research on the immune system that promises to effectively treat a catastrophic disease, such as cancer, as a manageable illness. In addition, research in the area of mind-body medicine is unlocking untapped strategies that can be utilized in the management of the complete patient.

Dr. Stowe has developed and pioneered a unique treatment protocol to help stimulate a person's own immune system to recognize and attack tumor cells. His philosophy includes the belief that defective or inadequate antigen (cell surface information) presentation and inadequate T-Cell recognition of tumor cells are the root cause of the development of cancer. Immune therapy can reverse this condition. He also strongly believes that people with various illnesses, especially autoimmune disorders, can have a much higher requirement for specific nutrients such as essential fatty acids. Nutritional BioTherapy can exert potent anti-tumor effects by enhancing the immune response.

He further believes that the use of effective metabolic inhibitors of angiogenesis (new blood vessel growth) is a useful anti-tumor strategy and enhances the effectiveness of immune-based therapies. His goal is to uncover, through research and clinical trials, ways



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to achieve these healing responses through a combination of safe, non-toxic, proven therapies. The Stowe Foundation was established in 2003 to carry out the critical research and development required to bring immune therapy into mainstream medicine.

Clinical research has shown that there are five basic anti-tumor strategies:

1. Direct cytotoxicity (cell killing)
2. Angiogenesis inhibition (cutting off blood supply to tumors)
3. Apoptosis induction (programmed cell death)
4. Re-differentiation (cells revert back to normal)
5. Immune system modulation.

One goal of the Stowe Foundation is to clinically demonstrate the therapeutic benefit of the combined modalities in a fast acting and high mortality cancer such as pancreatic cancer. These modalities were used to put Edith Stowe's pancreatic cancer into remission in the year 2000. Edith Stowe, the mother of Dr. Stowe, was diagnosed with pancreatic cancer in December 1999 at the age of 80. Her pancreatic cancer, a 9 cm tumor, was determined to be non-resectable and she was given a 2 month terminal prognosis.

With the assistance of the medical team at Survive Until a Cure and the oncology team in Davenport, Iowa, Edith Stowe was treated with radiation therapy, comprehensive immune therapy and an autologous cancer vaccine from Germany. Her cancer went into complete remission after 9 months of therapy. Edith Stowe died cancer free of natural causes on August 12, 2002. She was 83. The Stowe Foundation is dedicated to her memory and the hope that some day all families might benefit from comprehensive immune therapy, the technology that saved her life.

Since its inception in April of 2003 the Stowe Foundation has dedicated substantial resources to expanding comprehensive immune therapy into the field of Regenerative Medicine and human cell therapy based on adult stem cells. In January of 2005, The Stowe Foundation had its status as a private medical research foundation elevated to the status of a Public Charity. The Public Charity status signifies that the work of the Stowe Foundation was being done in the public interest and enjoys broad public support. Dr. Stowe left his professional practice in the summer of 2005 to become the full time managing director of the Stowe Foundation.

By forming strategic alliances with private industry and academic research institutes, the Stowe Foundation has been able to guide the creation of a significant technology platform



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in Regenerative Medicine. By combining state of the art medical energy devices with comprehensive immune therapy and adult stem cells for tissue regeneration, the Stowe Foundation has ushered in a new era of understanding on how to reverse a chronic illness. The technology base has received sufficient regulatory approvals to be used in investigational studies for the treatment of Diabetes, Osteoarthritis, Pancreatic Cancer and the Traumatic Injuries that result from playing sports, accidents at work or in the home and the war in Iraq or Afghanistan.

In September of 2006, while Dr Stowe was attending an International Congress on stem cell therapy hosted by the Pontifical Academy of Life at the Vatican City, Pope Benedict XVI attended a private, although brief, meeting with Dr. Stowe, a Protestant, to discuss the Vatican's stem cell policy. During his closing address to the Congress, Pope Benedict comments included the following : "When science is applied to the alleviation of suffering and when it discovers on its way new resources, it shows two faces rich in humanity: through the sustained ingenuity invested in research, and through the benefit announced to all who are afflicted by sickness. Those who provide financial means and encourage the necessary structures for study share in the merit of this progress on the path of civilization."

The next phase in changing healthcare at the Stowe Foundation is to prove that the Stowe Foundation technology platform in Regenerative Medicine has created a new standard of care. Dr. Stowe is actively engaged in raising the funds that will permit the transition of healthcare from conventional medicine into Regenerative Medicine. The Stowe Foundation has targeted four major initiatives in healthcare:

1. Reversing the five major complications of Diabetes: Cardiomyopathy, Nephropathy, Retinopathy, Neuropathy and Wound Care.
2. Reversing the pain and disability associated with Osteoarthritis
3. Improving patient outcomes in traumatic injuries associated with Sports, Work and War
4. Providing real hope for the Pancreatic Cancer patient.

Dr. Stowe has personal experience in dealing with cancer. In 1959, at the age of six, he was diagnosed and treated for osteosarcoma (bone cancer). The disease was considered fatal at the time and is still considered terminal today for the majority of patients who contract osteosarcoma. For reasons that are only now becoming apparent, the osteosarcoma went into what is termed a spontaneous remission. Dr. Stowe's current research is guided by the belief that the conditions that caused his bone cancer to remit can be duplicated in other cancer patients.