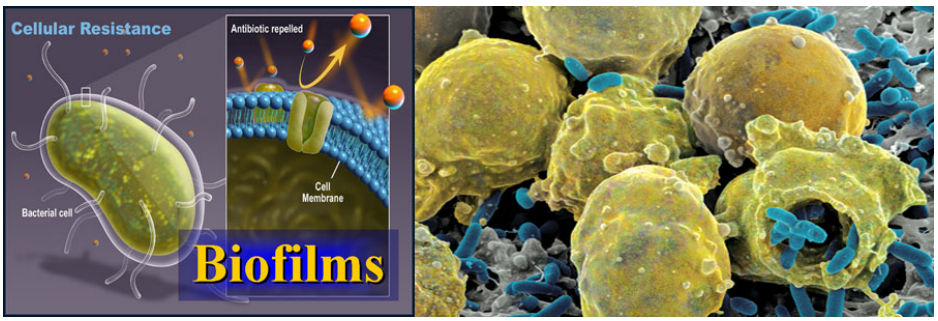

New Infectious Disease Syndrome Caused by Biofilms

By Miguel Gonzalez, MD, FACP, FCCP

December, 2012 - Dr. Stephen E. Fry, M.D. is a prominent physician and microbiologist as well as is also the founder of two clinical research laboratories, Fry Laboratories, LLC in North Scottsdale, Arizona and the Southwest Center for Chronic Disease. In these clinics, research teams direct by Dr. Fry have been conducting analysis of chronic disease and infections. Dr. Fry is also known as an international presenter, giving lectures on a routinely basis about vector-borne diseases like as Lyme disease and also about his discovery of a novel protozoan (a unicellular parasite) called Protomyxzoa rheumatica, that Dr. Fry has linked with a number of chronic conditions including chronic fatigue syndrome (CFS), fibromyalgia, multiple sclerosis (MS), Lou Gehrig's Disease and many other autoimmune illnesses. Derived on his substantial research conducted over 20 years, Dr Fry arrived to the opinion that practically all chronic conditions stated above have one thing in common: they develop because of a persisting biofilm forming infection localized within the blood vessels and body. The problem is that this biofilm is not detected by the immune system and it is also resistant to the standard use of antibiotics.

Biofilms

According to Dr. Fry, if you have long term infection, biofilms may be an underlying cause of the problem. The majority of microorganism responsible for infections continue to persist for a long period of time, developing these structures called biofilms. These bacteria that make up the biofilms generate a gelatin like substance inside the cells which is made by sugar, DNA, and a protein matrix. Biofilms are seen on advanced staining tests (evaluated by microbiologists under the microscope) and frequently include more than just one infectious organism. Surprisingly, these biofilms that contain bacteria and other microorganisms are not just found in the body, but also in natural environments such as hot springs, rivers and streams, water and drainage pipes, sanitation systems or toilets and showers.

An approximated 80 % of all infections affecting the population worldwide have biofilm contribution. These types of infections vary from urinary tract infections, middle-ear infections, cystic fibrosis, dental oral plaque buildup, long term skin infections, many chronic diseases, and coatings for medical devices such catheters or contact lenses.

Fry Labs is continuing to research the link involving chronic conditions and infectious organisms. The new protozoan, Protomyxzoa rheumatica, discovered by Dr. Fry is one of the key

microorganism research being done in the laboratory because current data supports its involvement in chronic diseases and we understand very little about it. Additional infectious organisms include those causing Lyme disease (Borellia), Rocky Mountain Spotted fever (Rickettsia) and infections caused by Babesia, Bartonella, Anaplasma, Ehrlichia, and Toxomplasma bacteria. State-of-the-art research at Fry Labs are conducted to know the nature, contribution and involvement of numerous blood-borne biofilm infections, by using molecular recognition of the organisms involved, including the newly uncovered Protomyxzoa rheumatica parasite.

If you suffer from a chronic condition, you might wish to get laboratory investigations at Fry Labs to determine the microorganisms found in your body and receive the optimal treatment to eliminate the infections. A whole-food plant based diet can also help boost your immune system and greatly improve or even reverse chronic health problem.