

GENOMICS: WE ARE PAST THE DAWN OF A NEW ERA

14TH & 15TH OF MARCH 2015

WITH SPECIAL GUEST DR RITCHIE SHOEMAKER

Remember the excitement of the Human Genome Project? Finally, in 2001-2, after years of pain-staking work and billions of dollars invested, a spectacular achievement in molecular biology gave us the identification of the base pairs of our DNA. Then, remember when there were only about 25,000 genes identified and that was at most 2% of our DNA. The rest must be junk, we were told.

Nope, the rest of the DNA isn't junk. The Dawn of the new era in DNA brought the understanding that regulation of DNA copying-transcription- was far more complicated than the Watson/Crick model of DNA from the 1950s would have us believe. Now we know that absence of normal regulation of DNA transcription in disease is another frontier that will tell us more about illness than we ever dreamed just 10 years ago.

Our work with chronic inflammatory responses syndromes tells us that we already are in the Dawn and are moving into new daylight. By combining the information about DNA transcription, and seeing regulation problems, we can work with the labs we normally see, call those labs "proteomics," to give physicians and patients an idea of just what is wrong physiologically in so many complex illness syndromes.

While we are working primarily with patients injured by damp buildings and mold exposure; and dinoflagellate illnesses, like ciguatera; the same application of New Era technology extends to blue-green algae patients, Post Lyme patients and those with Post Traumatic Stress disorder as well.

What we will show you is that the combination of genomics, proteomics and their combination lets us identify the molecular pathways that are dysfunctional in chronic inflammatory response syndromes. We then can use genomically-active therapies to show before and after results of intervention that in turn tell us the next steps to take.

When we add in the New Era of volumetric abnormalities in the brain from NeuroQuant that identify a fingerprint of chronic illnesses that include cognitive issues you can see why we are now beyond the Dawn of the molecular revolution.

There is much to share and much to learn. For the first time we can confidently tell you that the promise of the New Era is that of cure. Join us on the 14th and 15th of March, 2015, Sydney Australia!

-Dr Ritchie Shoemaker (USA)

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