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Dr. Gualberto Ruaño

Physiological Genomics & Personalized Medicine

Presented by: Dr. Gualberto Ruaño, President & CEO, Genomas, Inc., Hartford, CT, Director of Genetics Research at Hartford Hospital, and Adjunct Professor in the medical faculties at George Washington University and the University of Puerto Rico.

Dr. Ruaño, MD, PhD, has a 25-year scientific and medical career that has him developing systems for DNA-guided medicine based on genomics, nanoscience and clinical informatics. At Genomas, he has pioneered physiotypes based on multi-gene markers and bioclinical algorithms for the prediction of human drug response and DNA-guided medicine in patient care. Dr. Ruaño has received many awards, the most recent being the induction in February 2009 into the American Institute for Medical and Biological Engineering (AIMBE) College of Fellows. Recipients of this honor are chosen for exceptional leadership and achievements in medical and biological engineering.

A revolution in our understanding of human health and disease has been launched by the sequencing of a prototypical human genome. To a large degree, this achievement represents the pinnacle of reductionist scientific thought, as having all genes dissected one could, in principle, allow reconstitution of the organism. In contrast, the classical discipline of physiology has been dealing with systems from its very outset. Physiological genomics, henceforth “physiogenomics,” bridges the gap between the systems approach and the reductionist approach by using human variability in physiological process, either in health or disease, to drive their understanding at the genome level. Physiogenomics utilizes an integrated approach composed of genotypes and phenotypes and a population approach deriving signals from functional variability among individuals. DNA-guided medicine will cross over the existing specialty silos in organized medicine, and redefine the layout of the health system. Therefore, physiogenomic applications and case studies of DNA-guided medicine for clinical neuroscience, cardiovascular medicine and diabetes management will be presented in detail.

Thursday, June 18, 2009

Networking Reception 4:30 – 5:30 PM

Presentation 5:30 – 7:00 PM

Baystate Hospital, Chestnut Rooms 1A & 1B, 759 Chestnut Street, Springfield, MA Free parking!

Directions:

http://www.baystatehealth.com/eConsumer/bhs_content_list.jsp?chId=efd682265d33df00VgnVC M100000f0c19acRCRD&ctName=Page%20Copy&subTypeVal=Directions

NO CHARGE TO ATTEND, BUT IT WOULD BE APPRECIATED IF YOU RESERVE IN ADVANCE

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