



THE UNIVERSITY OF ARIZONA

Center for Biomedical Informatics & Biostatistics

presents

“Studies of Rare Genetic Disorders are paving the way for Precision Medicine”

Tuesday, February 23rd

9:30 am - BIO5 103



Manuel L. Gonzalez-Garay, PhD
Owner & CEO
Genomic Analysis and
Bioinformatics Consulting LLC

Dr. Gonzalez-Garay's initial training was in biostatistics, genetics, cell and molecular biology; however during 1997, he had the opportunity to meet Dr. Sean Eddy. Dr. Eddy's contagious enthusiasm for computational biology changed my way of thinking, and he redirected his career towards bioinformatics. Since then, he has been working professionally as a bioinformatician for the last eighteen years. Changing from being an expert in molecular and cellular biology to become a bioinformatician was not an easy task especially during the 90's when bioinformatics was relatively new, and there were very few groups available. He decided to join a drug discovery company, Lexicon Pharmaceuticals where he became engaged in a significant number of projects and very soon got promoted to creating his own group. During his time at Lexicon, he managed and created databases and software for multiple projects. From 2002 to 2009, he worked at Human Genome Sequencing Center (HGSC), Baylor College of Medicine in Houston. At the HGSC, he created bioinformatics software like "Genboree discovery systems", and became integrally involved in multiple projects including the Tumor Sequencing Project (TSP), and The Cancer Genome Atlas (TCGA). At the Institute of Molecular Medicine (UTHealth), his laboratory routinely sequenced genomes, exomes, and RNAs using multiple sequencing platforms and performed bioinformatics analysis. He has been analyzing whole genome and exomes of patients with rare disorders and identified several new gene-disease associations. He has been working toward understanding the phenotype-gene relationships of patients with lymphedema. He is very enthusiastic about the possibility of providing his expertise in the area of bioinformatics and genomics to help families with lymphedema to find a treatment for their incurable disorder.

Coffee & refreshments will be provided - Please RSVP to ckenost@email.arizona.edu