From the Medical College of Wisconsin, we welcome Dr. Elizabeth Worthey

Dr. Worthey's work has focused on the clinical and translational use of genomic data (primarily but not exclusively next generation sequencing data). This includes the use of clinical diagnostic whole genome or exome sequencing to identify causative mutations in pediatric patients with a variety of presumed single gene disorders. She carried out the first next generation sequence analysis used to alter the clinical treatment of a patient, and continues to perform and direct these same types of analysis on additional pediatric patients through our Medical College of Wisconsin (MCW) Whole Genome Sequencing (WGS) clinic (with final interpretation coming from clinical geneticist colleagues).

From the UWM College of Health Sciences, we welcome Dr. Jake Luo

Dr. Luo joins UWM as the Director of the BioDLP Lab. His research interests lie in data-driven predictive analysis using machine-learning algorithms, e.g. data mining, natural language processing, and knowledge representation and modelling. Currently, he is especially interested in investigating how these computing technologies can improve healthcare by providing intelligent decision support for clinicians and researchers.
From the UWM College of Health Sciences, we welcome Dr. Priya Nambisan

Dr. Nambisan's current research falls at the intersection of three important and emerging themes in these areas: (a) meeting the needs of informed and actively participating healthcare consumers (which implies the relevance of information seeking, communication and information science); (b) healthcare organizations that interact with one another and with their customers, (which implies the relevance of health services research, healthcare administration, marketing communication, organizational research, and knowledge management); and (c) the development and use of new health information technologies (which implies the relevance of technology management, information systems, human computer interaction, and usability research).

From the Zilber School of Public Health, we welcome Dr. Paul Auer.

Dr. Auer’s primary research is focused on discovering the genetic determinants of common chronic diseases including Heart Disease, Bleeding Disorders, Type II Diabetes, Stroke and Colorectal Cancer. Specifically, he develops and implements statistical and computational tools for analyzing genetic data from large, U.S. health studies such as the Women’s Health Initiative. He is currently studying the extent to which rare genetic variation influences disease risk in diverse U.S. populations. Because quantitative analysis is a foundation for Public Health studies, as well as his own research, Dr. Auer enjoys teaching introductory statistical and quantitative principles to aspiring Public Health professionals.
From the Zilber School of Public Health, we welcome Dr. Spencer Huang:

Dr. Huang has been focused on 1) how to employ modern genomic technologies, bioinformatic, and biostatistical techniques to accurately predict risk and treatment response in cancer and cardiovascular disease; and 2) to promote genomics and functional genomics research by providing state-of-the-art analytical expertise and consultation support to the research community in order to advance understanding of the major molecular mechanisms and pathways that modulate disease progression. Dr. Huang is particularly interested in “big data” science and the mapping of genome to phenome through network modeling.

From the Zilber School of Public Health, we welcome Dr. Xuexia (Helen) Wang

Dr. Wang's current research work involves analysis of high-throughput genetics data generated from genome-wide association and next-generation sequencing studies. In particular, she is interested in population-based and family-based genetic association studies for rare and common variants, gene-set and pathway analysis, gene-gene and gene-environment interactions, admixed populations and genetics of gene expression.