

Speaker Bio: Dr. Feldman is a health informatics researcher whose work explores the ways in which data mining, machine learning, and statistical techniques can be applied to healthcare, particularly utilizing data collected during routine practice. The core of his research lies in a notion of augmentation, not automation, aiming to develop computational techniques that enhance the effectiveness of individuals whose expertise lies in discernment of healthcare, augmenting existing skillsets with information and context relevant to their role in care rather than simply automate their tasks. This work is deeply tied to the potential of informatics to understand variability within patient conditions, ultimately seeking to identify patient subtypes, evidenced-based risk measures, and treatment patterns, that improve health outcomes. Dr. Feldman has a particular focus in the neonatal and intensive care setting, where despite extensive monitoring a significant portion of the recorded information remains underutilized.