1145-A0-3036 Reinhard Laubenbacher* (laubenbacher@uchc.edu), University of Connecticut School of Medicine, Jackson Laboratory for Genomic Medicine, Farmington, CT 06030. *Mathematics in medicine*.

Biomedical research, as well as medical practice and healthcare a= re being rapidly transformed through the increasing availability of data, f= rom the molecular to the population scale. This has opened up an opportunit= y for the mathematical and computational sciences to make a tremendous impa= ct on medicine. This talk will present several examples of mathematical app= roaches in this field, and discuss the wide range of research and career op= portunities that are available for quantitative scientists as a result.. (Received November 06, 2018)