

Uncertainty in Modeling Diabetes

Dave Polidori

Entelos Inc.

May 16, 2002

Abstract

Modeling complex diseases such as diabetes involves uncertainty arising from several sources, including parts of the biology that are still unknown, conflicting data, individual variability, and modeling simplifications. Developing models of complex diseases and using them in pharmaceutical R&D requires a clear understanding of these uncertainties and methods of analysis for determining the effects of these uncertainties on model predictions. I will discuss some of the approaches we have taken to address these problems.