Technical University of Denmark

DTU

Why Big Data is relevant in Health care

Gupta, Ramneek; Pedersen, Helle Krogh; Yadav, Rachita

Link back to DTU Orbit

DTU Library
Technical Information Center of Denmark

Why Big Data is relevant in Health care

Ramneek Gupta, Helle Krogh Pedersen, Rachita Yadav

1: DTU Systems Biology

*Corresponding author email: ramneek@cbs.dtu.dk

Place your abstract here, add an image or two if possible and add references below.

Life Sciences today easily fulfils the major tenets of the need for Big Data thinking: Volume of Data, Velocity of data accrual, Variability and Veracity in data. Indeed, all of these offer opportunities in gathering unprecedented insights into living systems, yet also present challenges in handling, interpreting and converting into value. However, how far up the Hype Curve is current Big Data thinking in Life Sciences ? How do we translate insights to value in the life sciences domain and improved patient care ? In this talk, I will draw on examples of research from childhood leukemia and type-2 diabetes, where we integrate various streams of data with prior knowledge and context, and utilize machine learning approaches that are typical of Big Data thinking.