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    Sommario/riassunto This collection of 25 research papers comprised of 22 original articles
                       and 3 reviews is brought together from international leaders in
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                       computational advances that improve the ability to analyze highly
                       complex data sets to identify factors critical to cancer biology. Novel
                       deep learning algorithms represent an emerging and highly valuable
                       approach for collecting, characterizing and predicting clinical outcomes
                       data. The collection highlights several of these approaches that are
                       likely to become the foundation of research and clinical practice in the
                       future. In fact, many of these technologies reveal new insights about
                       basic cancer mechanisms by integrating data sets and structures that
                       were previously immiscible.