Personalized Medicine: Redefining Cancer Treatment

## Predict the effect of Genetic Variants to enable Personalized Medicine

# In this kaggle is challenging us to predict sequence of class to which particular thing belongs.

In this competition I will develop algorithms to classify genetic mutations based on clinical evidence (text).

There are nine different classes a genetic mutation can be classified on.

This is not a trivial task since interpreting clinical evidence is very challenging even for human specialists. Therefore, modeling the clinical evidence (text) will be critical for the success of your approach.

Both, training and test, data sets are provided via two different files. One (training/test\_variants) provides the information about the genetic mutations, whereas the other (training/test\_text) provides the clinical evidence (text) that our human experts used to classify the genetic mutations. Both are linked via the ID field.

This problem statement is based on **classification**.

Here we need to predict the **classes**.

I developed model using **xgboost.**

In kaggle’s leaderboard I stand in **369th** position.