Promotion MM for Banner

# Overview of the project

The millions of biomedical publications that exist are a valuable, but difficult to handle resource. Identifying those documents that are most relevant to a particular disease or health condition is currently a costly, human intensive activity. The goal of this MM is to develop new algorithms to aid in the automated Named Entity Recognition (NER) of biomedical publications.

# Overview of the problem

The Scripps Research Institute is testing the limits of crowdsourcing for generating annotated corpora within the biomedical domain and for doing information extraction directly. To accomplish these tasks effectively, algorithms are needed that can learn to accurately merge data collected from multiple annotators of varying quality and integrate this data into predictive models.

There is an already developed open-source supervised learning system called BANNER that achieves a good level of prediction power after being trained on subset of abstracts, manually annotated by experts. However, the training capabilities of the current algorithm are restricted to a very small (expert) dataset, which is limited by expensive expert's time. There is an idea that this limitation can be overcome if we teach BANNER algorithm how to further improve its accuracy by training on [MTurk](http://www.mturk.com/)-annotated abstracts, potentially available in much larger quantities.

In this contest, the goal is to improve BANNER accuracy by teaching it on MTurk-annotated abstracts.

# Prizes

[…]

# Schedule

[…]

# Why members should be interested in?

It is an experimental contest. If you participate, you will be given the opportunity to compete in new and fun types of MM competition.

This an exclusive event for-rated-only members (MM or Algo) and participation is limited to the best 300 registered members!

You will be competing in *small* virtual rooms. Room prizes will be awarded to the 1st and 2nd of each room, in addition to several grand prizes for the best competitors overall.