



## SPRING TEXT MINING CONFERENCE 2018

April 23-25, The Moller Centre  
Cambridge, UK

### Roundtable Discussion Descriptions - Tuesday, April 24, 2018

#### **Roundtable 1: Applications of NLP for clinical research and RWE**

The growth in availability of EHR data provides a rich resource for academic medical centers, payers and health systems to better understand and characterize population and patient level risk. This group will look at the challenges in access to data from EHRs, formatting and pre-processing, information exploration and extraction and importing of results into other systems. We will also discuss major use cases such as pathology extraction, predictive risk and population stratification, and quality measures

#### **Roundtable 2: Automating I2E: applications and challenges**

There is a growing need for automation of I2E within enterprise workflows, to enable transformation, extraction and tagging of data. This group will discuss how I2E fits into broader workflows, and any challenges this presents.

#### **Roundtable 3: Exploiting Data Sources and terminologies**

What are the most commonly used ontologies/terminologies that I2E users would really value? What are the most pressing issues with ontologies today? What key data sources, data types or formats are users wanting to access? What problems are there in accessing new text sources?

#### **Roundtable 4: Overcoming challenges of scientific search**

Dialogue systems such as Siri and Alexa are raising expectations for search. How can we improve existing enterprise search using NLP, and how much convergence should we expect between search and text mining?

#### **Roundtable 5: Presenting and Visualizing the results of text mining**

The results of text mining can yield precise answers using sophisticated techniques. These can be viewed in tables, but there are many occasions when users need to look at the whole set of results to analyze distribution, identify trends or spot anomalies. This discussion will look at existing use cases, discuss what kind of visualizations are important and look at what kind of reporting dashboards are needed to facilitate this