**Sprint 1 Stories**

The essential set of stories outlined by Dr ward to be completed for sprint 2 are as follows in (loose) order;

* **Lookup core set of researchers by their name and/or SCOPUS ID**
* **Visualize with a network the first and second degree relations between researchers**
* **The ability to setup and edit a set of core researchers that will populate the network upon startup**

Some intermediate steps to accomplish these stories that we can use for intermediate acceptance criteria are as follows in order;

* Lookup core set of researchers by their name and/or SCOPUS ID
  + Utilize the SCOPUS API to send researcher information requests to SCOPUS based off of a researchers SCOPUS ID
  + Process and store the response to the API request into a relevant data structure
* Visualize with a network the first and second degree relations between researchers
  + Setup the basic infrastructure for the network visualizer by setting up classes for nodes, links and highlighted relations
  + Implement a graph algorithm that recursively searches current nodes or researchers to find first and second degree links.
  + Once visualized links are setup populate our network with the data from the SCOPUS API data
  + Extension to visualize third degree links between researchers
* The ability to setup and edit a set of core researchers that will populate the network upon startup
  + Populate a text file of SCOPUS ID’s from Dr Ward’s provided list of core researchers
  + From this text file implement a system to edit this text file to update the list of researchers either deleting current ones or adding new ones
  + Connect this text file to the lookup on application load to allow the visualizer to display the core researchers
* A filter/sorting system for the visualized researchers and their publications. With an extension to filter by publication topics
  + Edit the visualizer to include event listeners on each researchers node to allow Dr Ward to click on a researcher
  + Dim all other links not relevant to the currently selected researcher
  + Edit the SCOPUS API query to include publication information
  + Edit the visualizer to include attributes/tags for each publication so they can be filtered with the search algorithm
  + Extension request SCOPUS give publication topics aswell as researcher information and then incorporate this into the above attributes to allow filtering by topic
* Request further information about a researcher of interest
  + Possibly refactor database to allow for a researchers “detailed information”
  + Once the detailed information is implemented into the database allow for the selected researcher to display a popup above the node with more detailed information