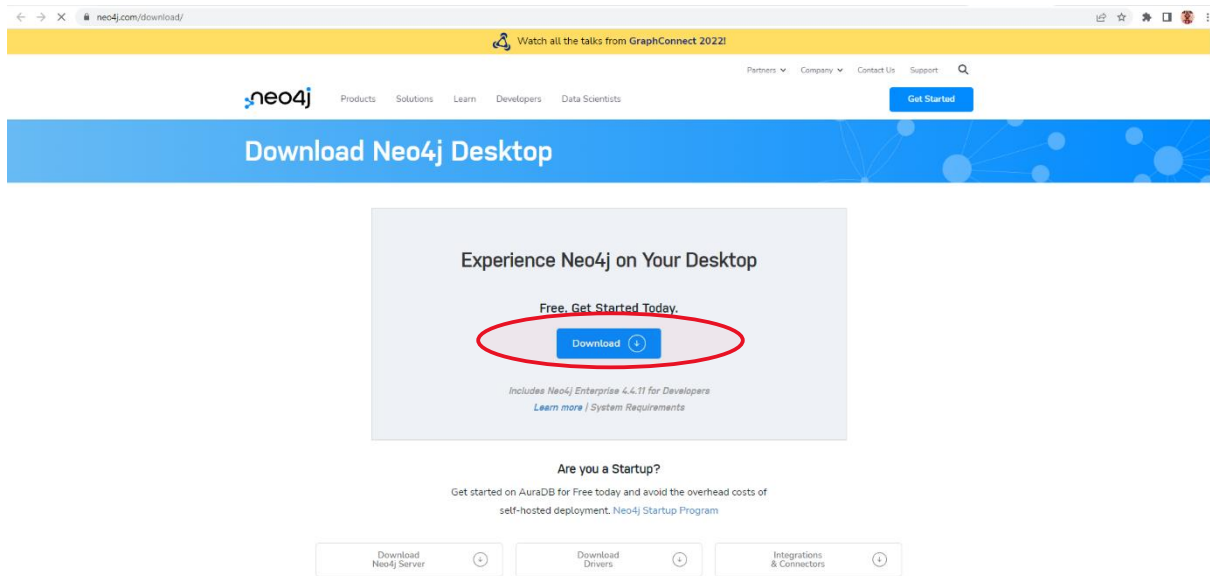


Downloading Neo4j

Download neo4j desktop at: <https://neo4j.com/download/> → Press download



Fill in details for license agreement. Then press download

Get Started Now

Please fill out this form to begin your download

A form for downloading Neo4j Desktop. It contains several input fields, each preceded by a red asterisk (*):

- First Name: Adam
- Last Name: McAlpine
- Email: 22705392@student.uwa.edu.au
- Organization: UWA Student
- Country: Australia

Below the form fields, there is a text block: "By downloading you agree to the [Neo4j License Agreement for Neo4j Desktop Software](#)."

A green button labeled "Download Desktop" is circled in red.

At the bottom, there is a disclaimer: "The information you provide will be used in accordance with the terms of our [privacy policy](#)."

Copy activation key to clipboard, by pressing on this (Note keep this window open in case you end up losing the key somewhere before the next steps):


Thanks for downloading Neo4j Desktop

Your download should begin automatically in a few seconds. If it doesn't, Click one of the links : [Windows](#) • [OSX](#) • [Linux](#)

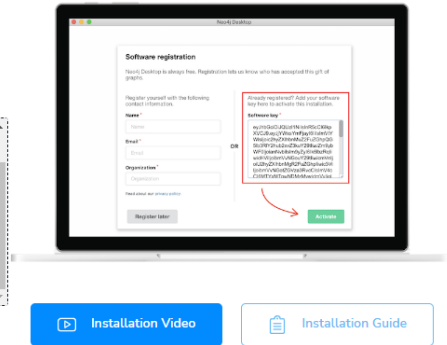
Recommended system requirements: MacOS 10.10 (Yosemite)+, Windows 8.1+ with Powershell 5.0+, Ubuntu 12.04+, Fedora 21, Debian 8.

Neo4j Desktop Activation Key

Use this key to activate your copy of Neo4j Desktop for use.

 **Copy to clipboard**

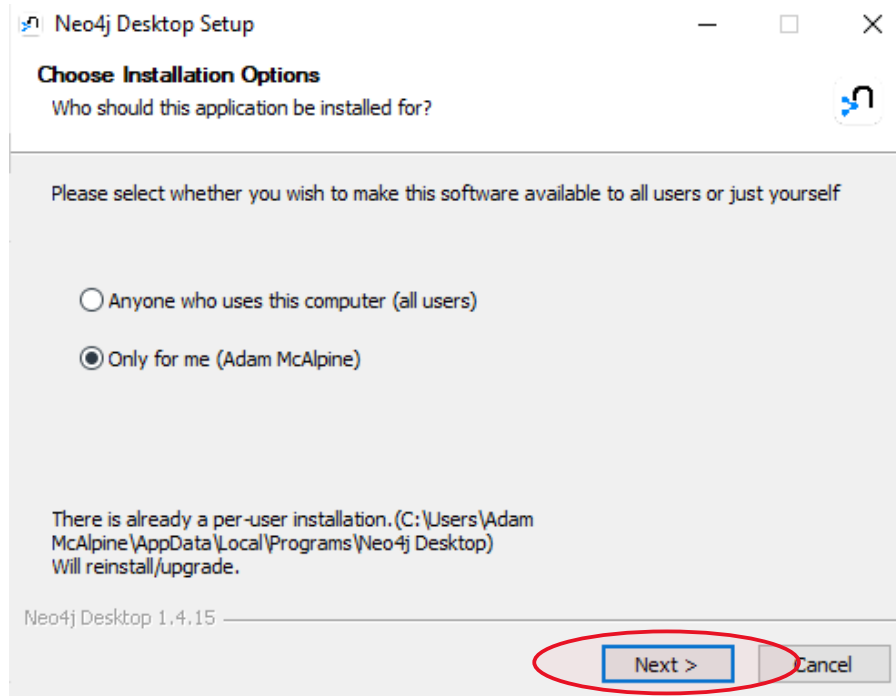
```
GUTb2F1dGgyDEwMTg5Mzl0OTcxNDA4NTM4NjcyMylslm1peHBhbmVsUHJvamVjdElkjoingjYj0MTRhYjk3M2M3NDFlNmYwNjdiZjA2ZDU1NzUuLjVmc0i0iUtdHVkeWluZyBhdCBVVOEILClwdWliOiUuZW80ai5jb20iLCJyZWciOiJBZGFrE1jiIiwic3VljoibmVvNGotZGVza3RvcClslmV4cCl6MTY5NTEzMjE5MCMwcmVlYjoiKlslmlzcy06Im5lbzRqLmNvbSIsIm5lZiI6MTY2MzU5NjE5MCMwcmVvWF0iOjoxNjYzNTk2MTkwLCIqdGkiOiI1Q1JoQjhQZ2siOiQwB1yRBNmMt00505f7UPd1chLCA0e8_d-TCLdVgG2V1fY-B7GJTTEIHqWxWnsBTOMdPxMHZdqZ-ElFhdSqI-FvG519Qu2vRSAbMdgRbTMctvgfFqGLyGdNpH9hCQqufhgFYydtPtGMYL9iQtKfQdSdEHpliheVpc4fPLW5dh8JBWBIsoEEN86OV5GR9pEafSU-qK5Njiler9V8vS5qo_SYhmkYHAgSAWJgOnxc9jBVZRSdo3Zlgf0zQ9xQAnHnbogVwoz4Kpnrc6ELt7tUI0-aRAeCImJiUb0fwuKGYTL98yoPfydqjqxQSkKd0HiWdKgXtwctvg8PvjBqOL3VZe2hrg
```



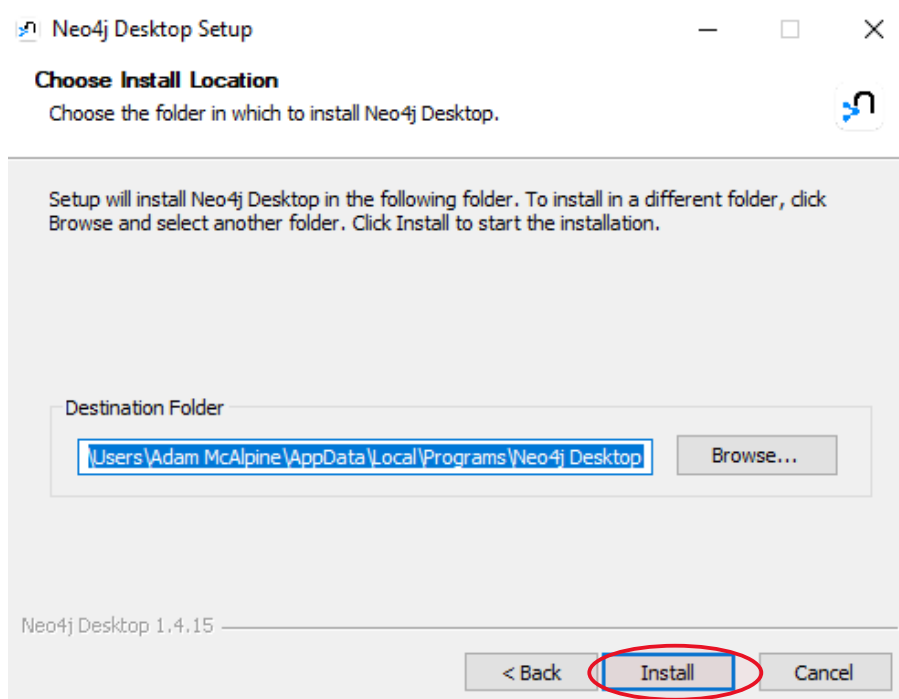
Once it has downloaded open the install program and move to the next page of this guide.

Setting up Neo4j Background

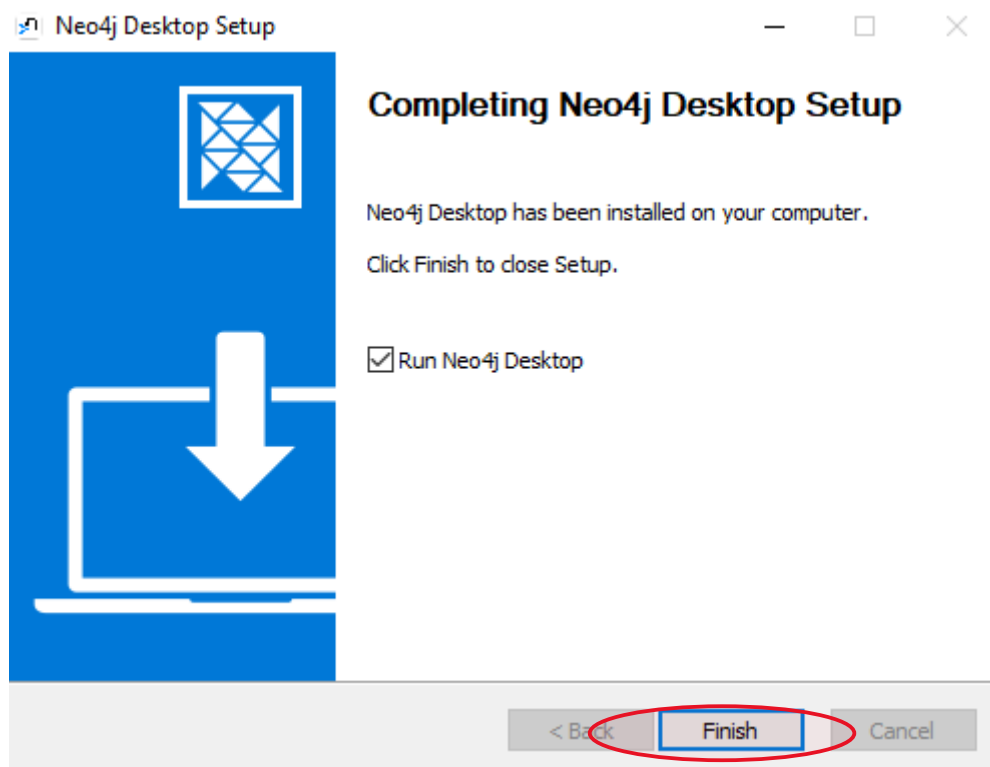
Press Next.



Then Press Install.



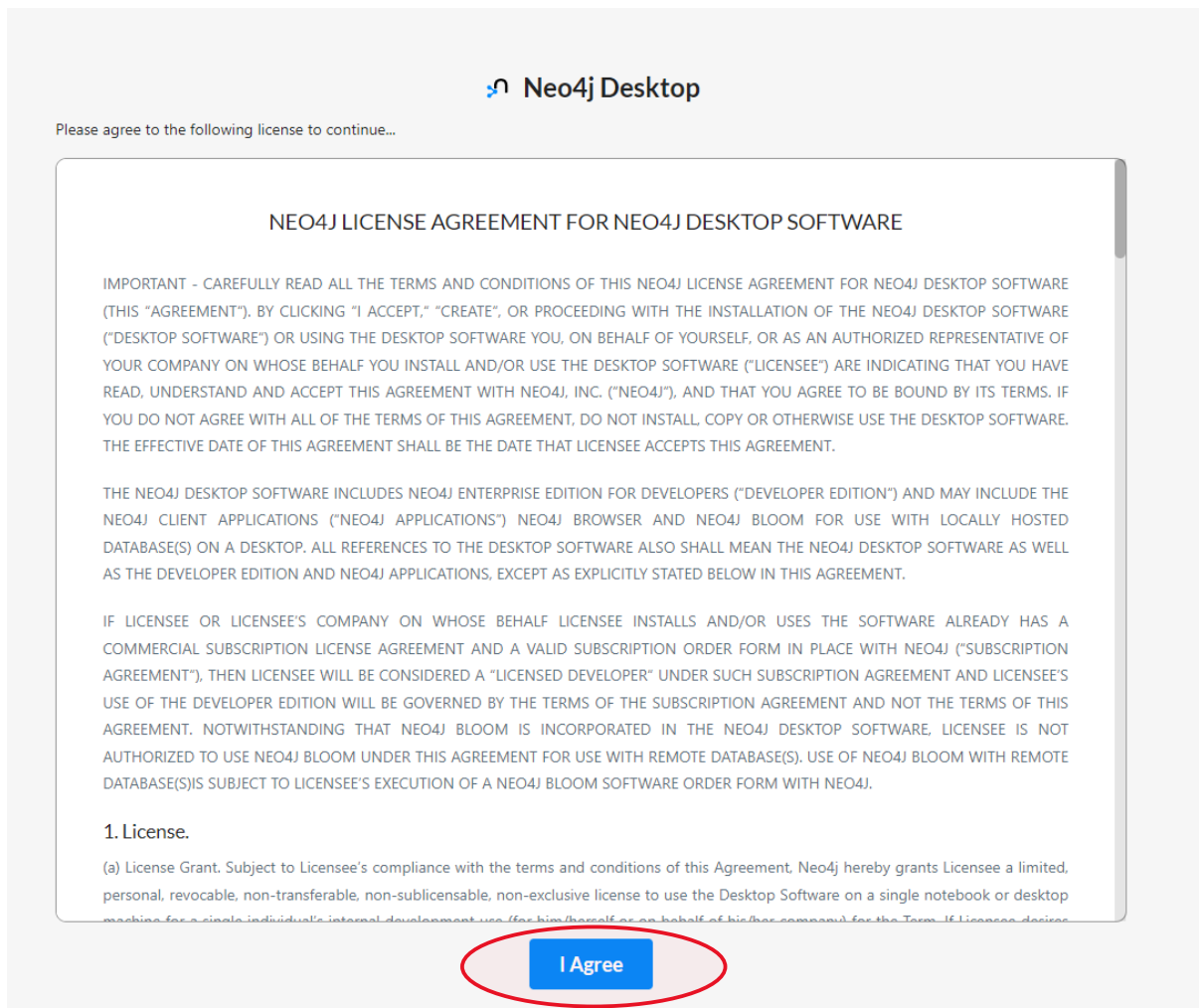
Make sure 'Run Neo4j Desktop' is checked, then press Finish



Upon launch you may be greeted with a firewall message clicking allow access will ensure the program runs properly.



Neo4J will then prompt you to accept its terms and conditions.



The image shows a window titled "Neo4j Desktop" with a sub-header "Please agree to the following license to continue...". The main content is the "NEO4J LICENSE AGREEMENT FOR NEO4J DESKTOP SOFTWARE". The text of the agreement is as follows:

NEO4J LICENSE AGREEMENT FOR NEO4J DESKTOP SOFTWARE

IMPORTANT - CAREFULLY READ ALL THE TERMS AND CONDITIONS OF THIS NEO4J LICENSE AGREEMENT FOR NEO4J DESKTOP SOFTWARE (THIS "AGREEMENT"). BY CLICKING "I ACCEPT," "CREATE", OR PROCEEDING WITH THE INSTALLATION OF THE NEO4J DESKTOP SOFTWARE ("DESKTOP SOFTWARE") OR USING THE DESKTOP SOFTWARE YOU, ON BEHALF OF YOURSELF, OR AS AN AUTHORIZED REPRESENTATIVE OF YOUR COMPANY ON WHOSE BEHALF YOU INSTALL AND/OR USE THE DESKTOP SOFTWARE ("LICENSEE") ARE INDICATING THAT YOU HAVE READ, UNDERSTAND AND ACCEPT THIS AGREEMENT WITH NEO4J, INC. ("NEO4J"), AND THAT YOU AGREE TO BE BOUND BY ITS TERMS. IF YOU DO NOT AGREE WITH ALL OF THE TERMS OF THIS AGREEMENT, DO NOT INSTALL, COPY OR OTHERWISE USE THE DESKTOP SOFTWARE. THE EFFECTIVE DATE OF THIS AGREEMENT SHALL BE THE DATE THAT LICENSEE ACCEPTS THIS AGREEMENT.

THE NEO4J DESKTOP SOFTWARE INCLUDES NEO4J ENTERPRISE EDITION FOR DEVELOPERS ("DEVELOPER EDITION") AND MAY INCLUDE THE NEO4J CLIENT APPLICATIONS ("NEO4J APPLICATIONS") NEO4J BROWSER AND NEO4J BLOOM FOR USE WITH LOCALLY HOSTED DATABASE(S) ON A DESKTOP. ALL REFERENCES TO THE DESKTOP SOFTWARE ALSO SHALL MEAN THE NEO4J DESKTOP SOFTWARE AS WELL AS THE DEVELOPER EDITION AND NEO4J APPLICATIONS, EXCEPT AS EXPLICITLY STATED BELOW IN THIS AGREEMENT.

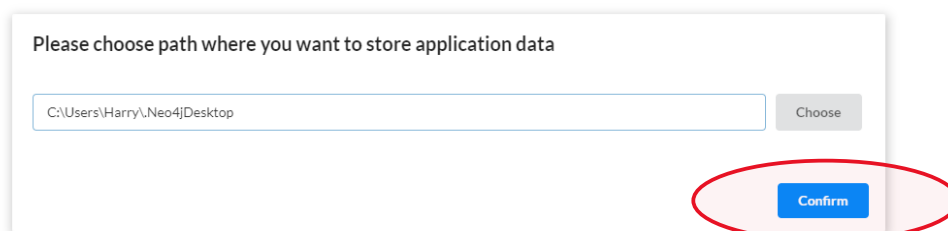
IF LICENSEE OR LICENSEE'S COMPANY ON WHOSE BEHALF LICENSEE INSTALLS AND/OR USES THE SOFTWARE ALREADY HAS A COMMERCIAL SUBSCRIPTION LICENSE AGREEMENT AND A VALID SUBSCRIPTION ORDER FORM IN PLACE WITH NEO4J ("SUBSCRIPTION AGREEMENT"), THEN LICENSEE WILL BE CONSIDERED A "LICENSED DEVELOPER" UNDER SUCH SUBSCRIPTION AGREEMENT AND LICENSEE'S USE OF THE DEVELOPER EDITION WILL BE GOVERNED BY THE TERMS OF THE SUBSCRIPTION AGREEMENT AND NOT THE TERMS OF THIS AGREEMENT. NOTWITHSTANDING THAT NEO4J BLOOM IS INCORPORATED IN THE NEO4J DESKTOP SOFTWARE, LICENSEE IS NOT AUTHORIZED TO USE NEO4J BLOOM UNDER THIS AGREEMENT FOR USE WITH REMOTE DATABASE(S). USE OF NEO4J BLOOM WITH REMOTE DATABASE(S) IS SUBJECT TO LICENSEE'S EXECUTION OF A NEO4J BLOOM SOFTWARE ORDER FORM WITH NEO4J.

1. License.

(a) License Grant. Subject to Licensee's compliance with the terms and conditions of this Agreement, Neo4j hereby grants Licensee a limited, personal, revocable, non-transferable, non-sublicensable, non-exclusive license to use the Desktop Software on a single notebook or desktop machine for a single individual's internal development use (for him/herself or on behalf of his/her company) for the Term. If Licensee desires

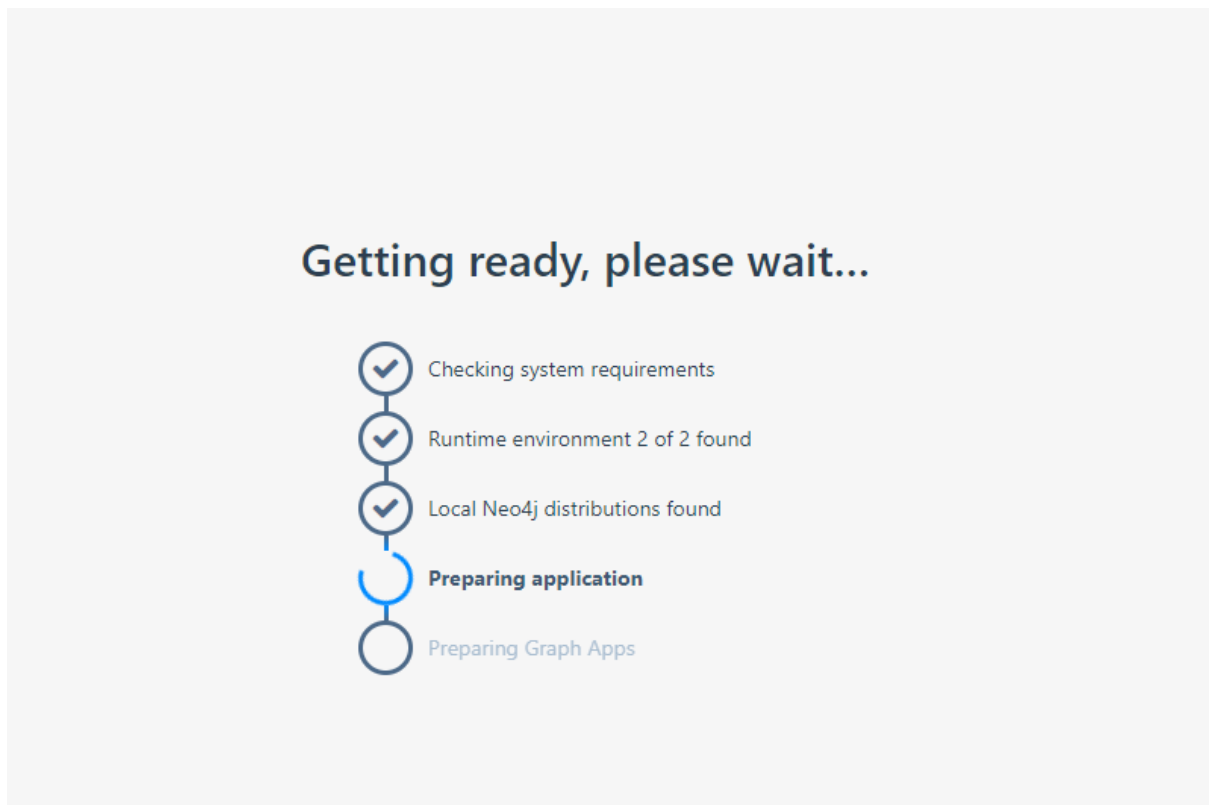
At the bottom of the window, there is a blue button labeled "I Agree" which is circled in red.

This should then prompt you for a path to install the program, the default path should be fine.



The image shows a dialog box titled "Please choose path where you want to store application data". It contains a text input field with the default path "C:\Users\Harry\Neo4j\Desktop" and a "Choose" button to its right. At the bottom right of the dialog box, there is a blue button labeled "Confirm" which is circled in red.

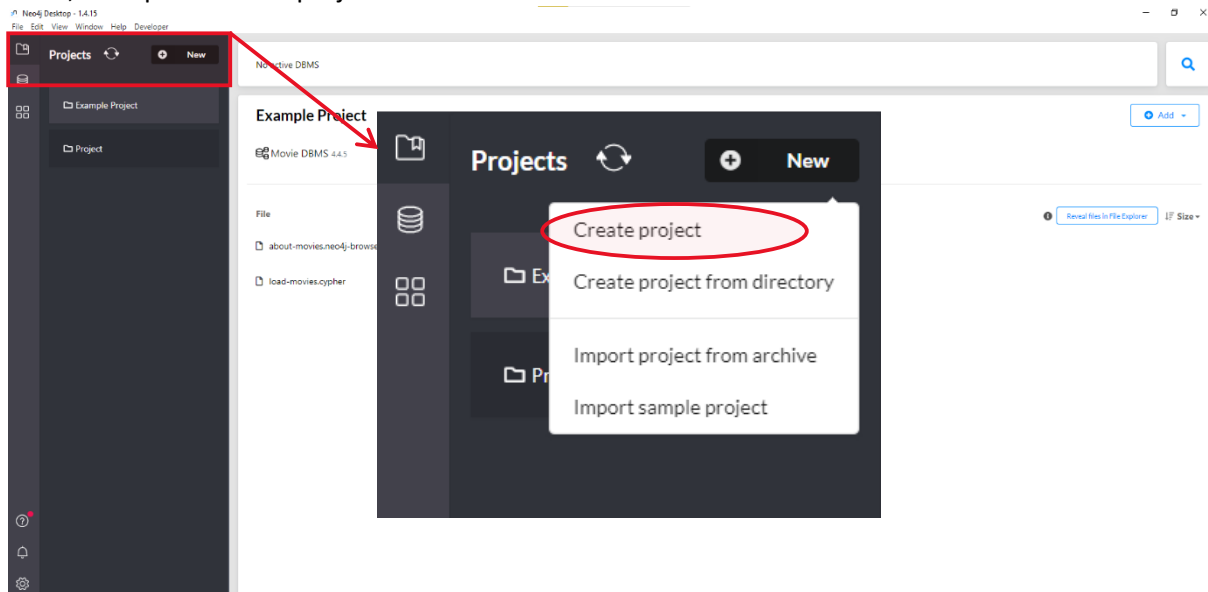
It should then load the application with this screen



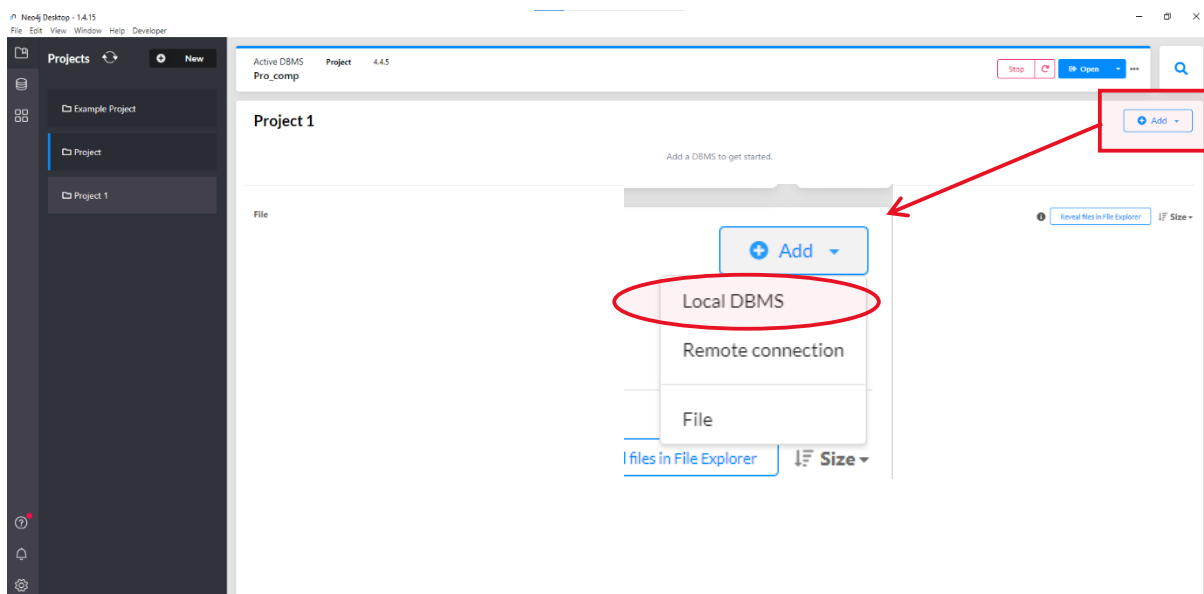
You will then come to a registration stage where we will use the key we copied to the clipboard from the previous step into this box — and click activate (Note if pasting the key doesn't work for some reason navigate back to the webpage we kept open and click copy to clipboard again).

The image shows a "Software registration" form. It has two columns. The left column is for new users and contains three input fields: "Name", "Email", and "Organization", each with an asterisk indicating it is required. Below these fields is a link to "Read about our [privacy policy](#)". At the bottom of the left column is a "Register later" button. The right column is for existing users and contains a "Software key" input field with an asterisk. Above this field is the text "Already registered? Add your software key here to activate this installation." and below it is a hint: "Software keys look like a long block of hexadecimal characters." At the bottom of the right column is an "Activate" button. A red arrow points from the text in the previous block to the "Software key" input field. The "Activate" button is circled in red.

Once the key is entered this should take you to the default loading screen. Press on new in the upper left, then press create project.



This should be the default new project template. Then go to the Add button on the top right, selecting local DBMS.

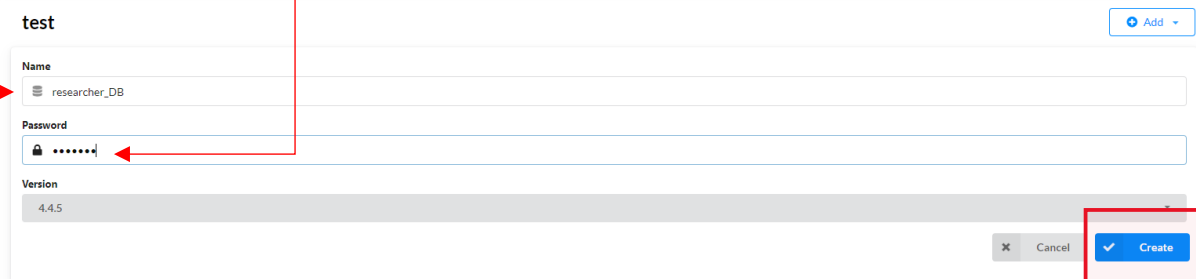


Once you've done that, this form should pop up. Fill in the details as specified below:

Name: database

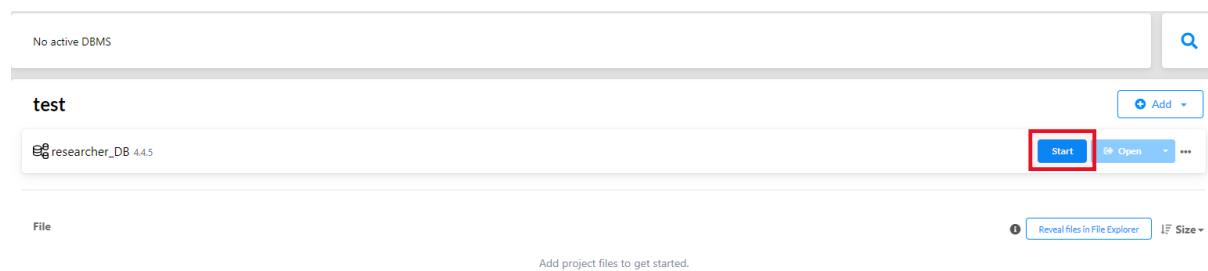
Password: group43

Then press create.



The screenshot shows a 'test' window with an 'Add' button in the top right. Below the title bar, there are three input fields: 'Name' with the text 'researcher_DB', 'Password' with masked characters '*****', and 'Version' with the text '4.4.5'. At the bottom right of the form, there are two buttons: 'Cancel' and 'Create'. Red arrows point from the text instructions to the 'Name' and 'Password' fields, and a red box highlights the 'Create' button.

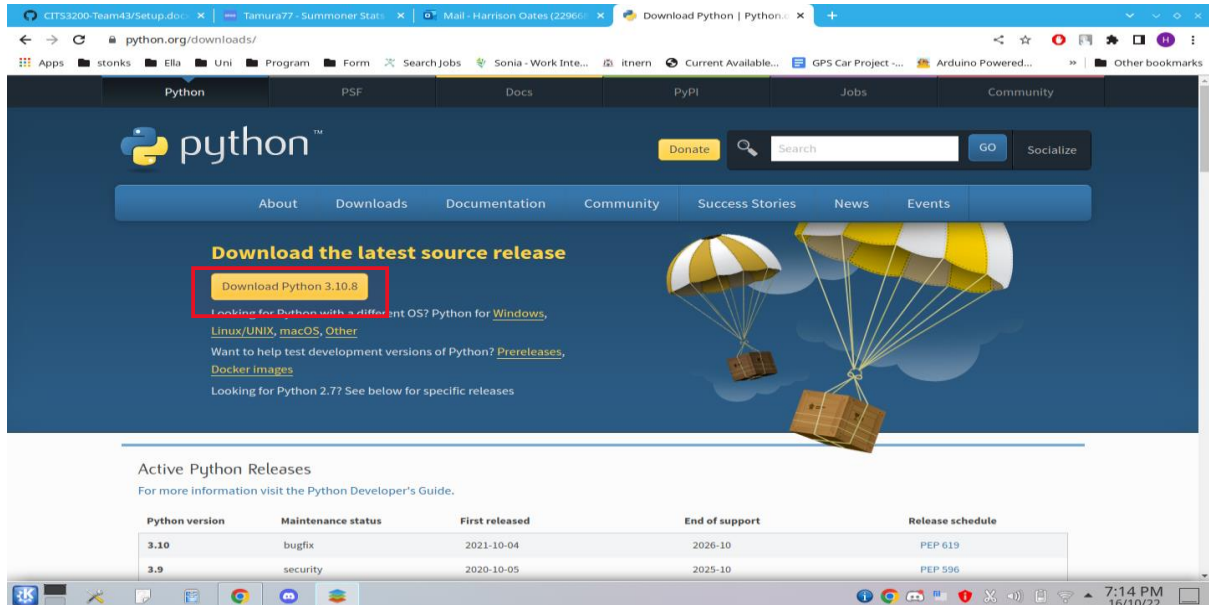
Once created, it'll appear as seen down below. Then press start.



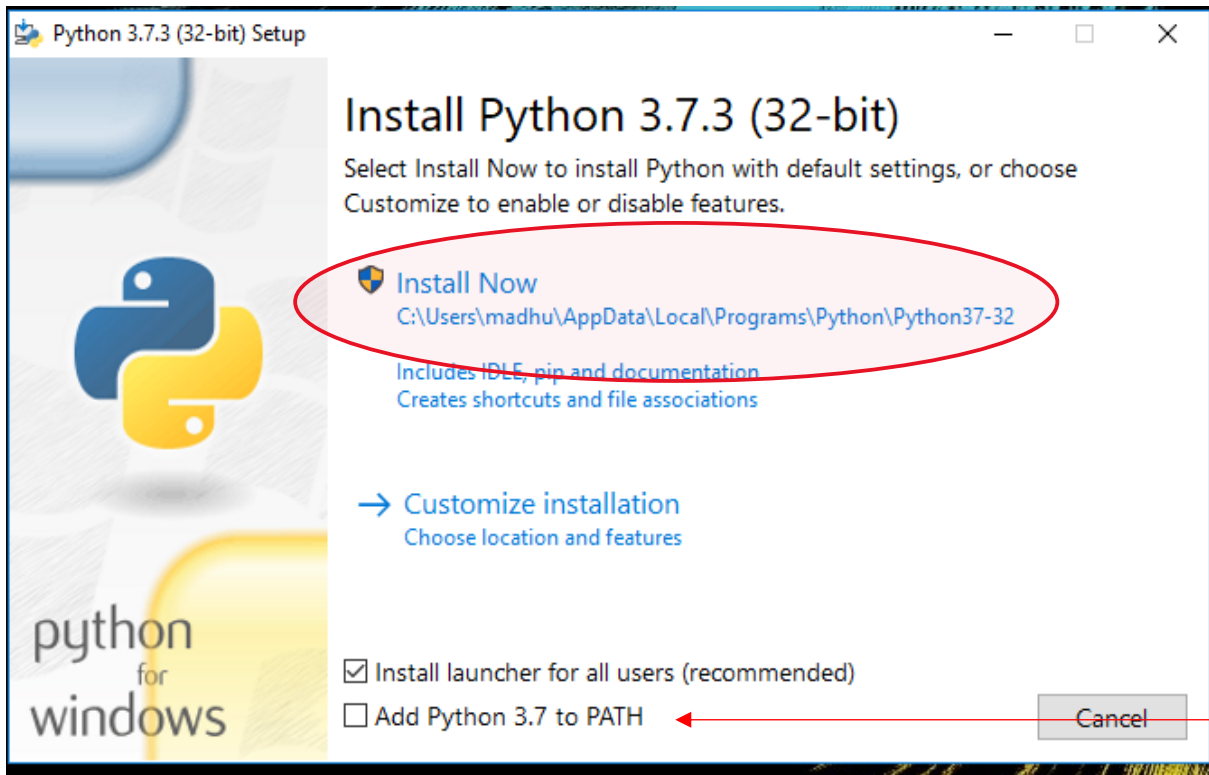
The screenshot shows the main interface of the application. At the top, it says 'No active DBMS'. Below this, there is a 'test' window that lists the created database 'researcher_DB 4.4.5'. To the right of the database name, there are three buttons: 'Start' (highlighted with a red box), 'Open', and a menu icon. At the bottom of the interface, there is a 'File' section with a button 'Reveal files in File Explorer' and a 'Size' dropdown menu. A message at the bottom center says 'Add project files to get started.'

Downloading Python

Navigate to the python download page [here](https://python.org/downloads/) and select Download python 3.10.8 (or whatever the current version is)

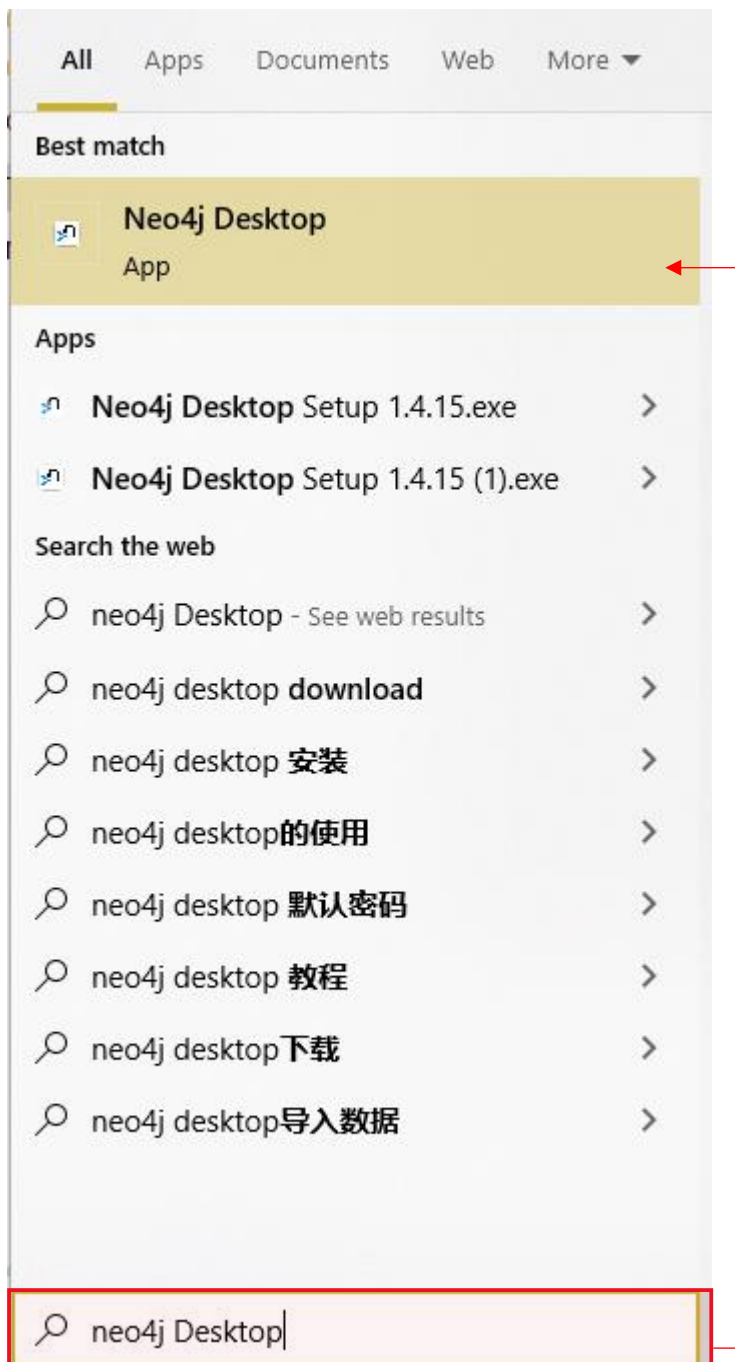


Once downloaded open the installer and it should take you to a window that looks like this, click on install now and ensure that the box at the bottom for Add python to PATH is ticked. This should install python for you and once complete you can close this window

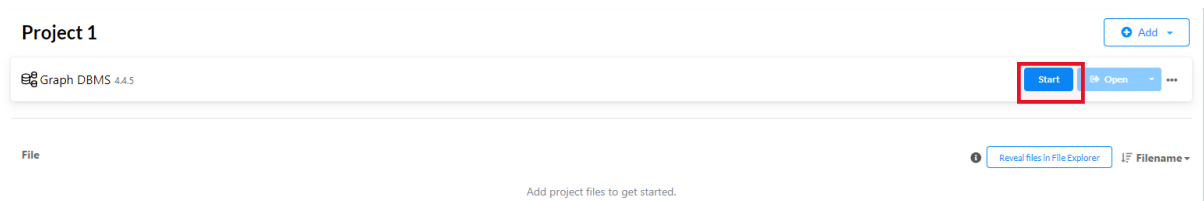


Running the Web App

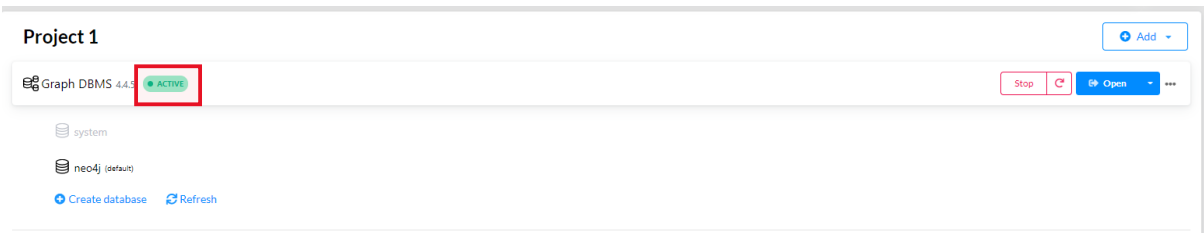
You'll first need to open neo4j desktop, normally by searching your device for it.



Once opened you'll need to press the start button.



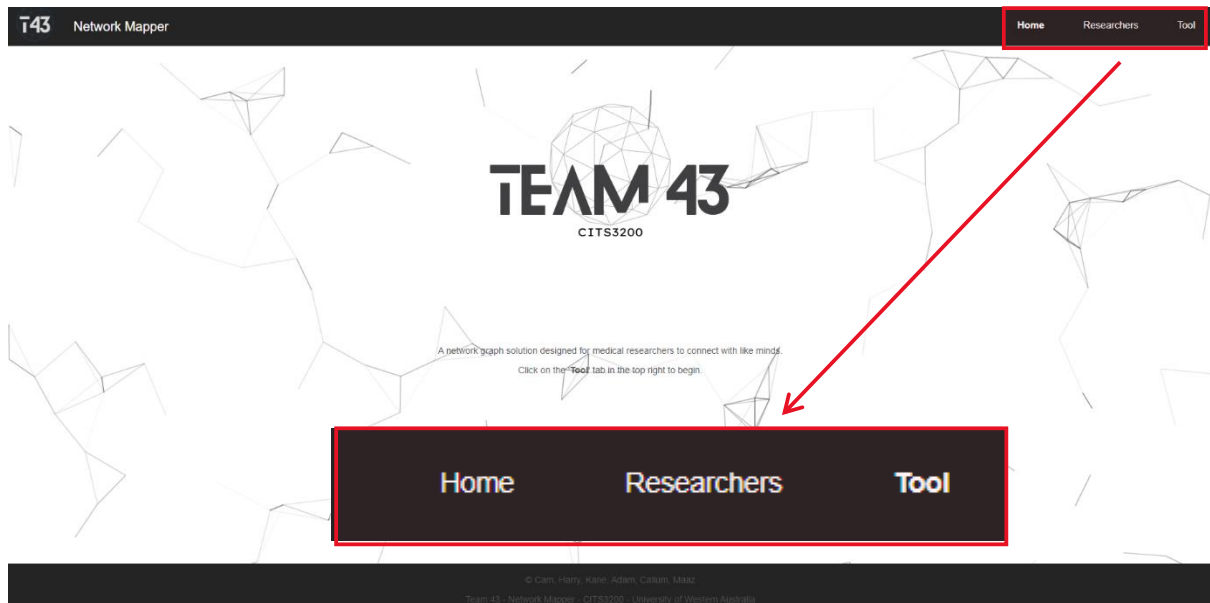
It might take a bit of time to run, but you'll know it's running once the database has an active sign next to it.



Now you can open the web app by double clicking the start_visualiser bat script and clicking [this](#) link.

User Manual

When you open the Visualiser you should get to a landing page like this. On the top right of the navbar there are three pages you can navigate between. Home the landing page seen when first loading up the Visualiser.



Clicking on the researchers button will take you to a page that looks like this. This is where you can edit the list of core researchers and change the API key in the event that it no longer works.

Edit Researchers

Scopus ID

☐ Senior Researcher ☐ Update Researcher ☐ Remove Researcher ☒ Add Researcher

Change Scopus API Key

API Key

For example entering the Scopus ID 57219019970 which corresponds to Kimberley Burton and ticking the remove researcher box will remove her from the core researcher list. As can be seen below.

Edit Researchers

Scopus ID

☐ Senior Researcher ☐ Update Researcher ☒ Remove Researcher ☐ Add Researcher

Similarly, if you put a Scopus ID in and click on add Researcher that researcher will be added to the core researcher list and can be searched in the network visualiser tool. Clicking on Senior Researcher will mark them as senior and limit the amount of connections they can make ensuring that the size of the database doesn't balloon into

Edit Researchers

Scopus ID

57219012206

☐ Senior Researcher ☐ Update Researcher ☐ Remove Researcher ☒ Add Researcher

Submit

In the event a core researcher publishes new research you can enter their Scopus ID and tick the Update Researcher box and the tool will update to represent those new co authors and connections.

Edit Researchers

Scopus ID

57219012206

☐ Senior Researcher ☒ Update Researcher ☐ Remove Researcher ☐ Add Researcher

Submit

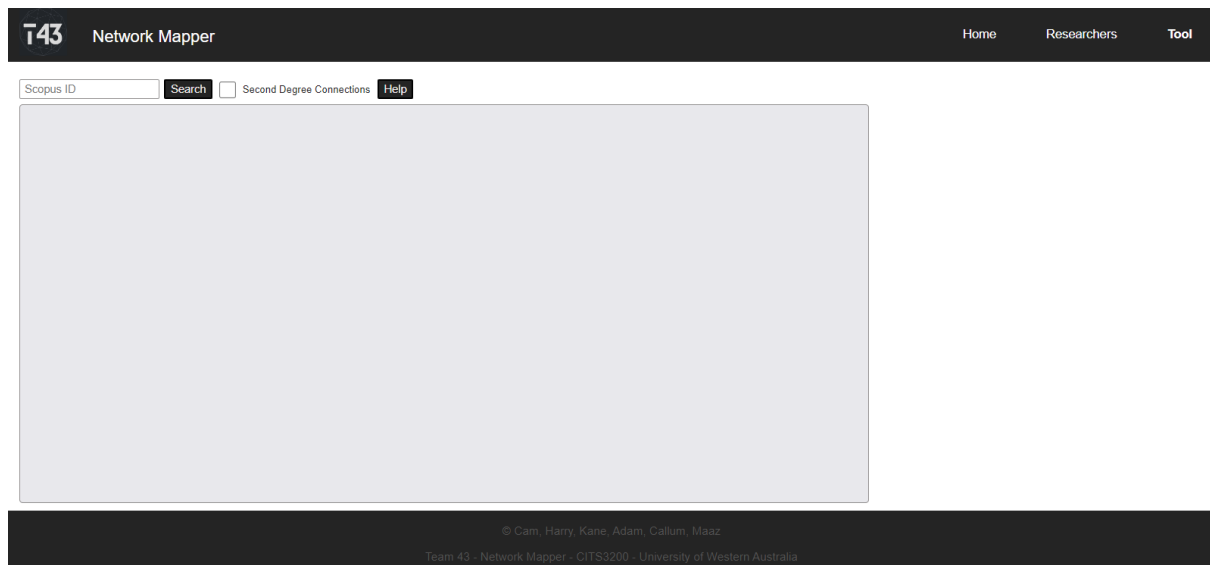
If you need a new API key for Scopus you can enter the new API Key into the box below and click submit.

Change Scopus API Key

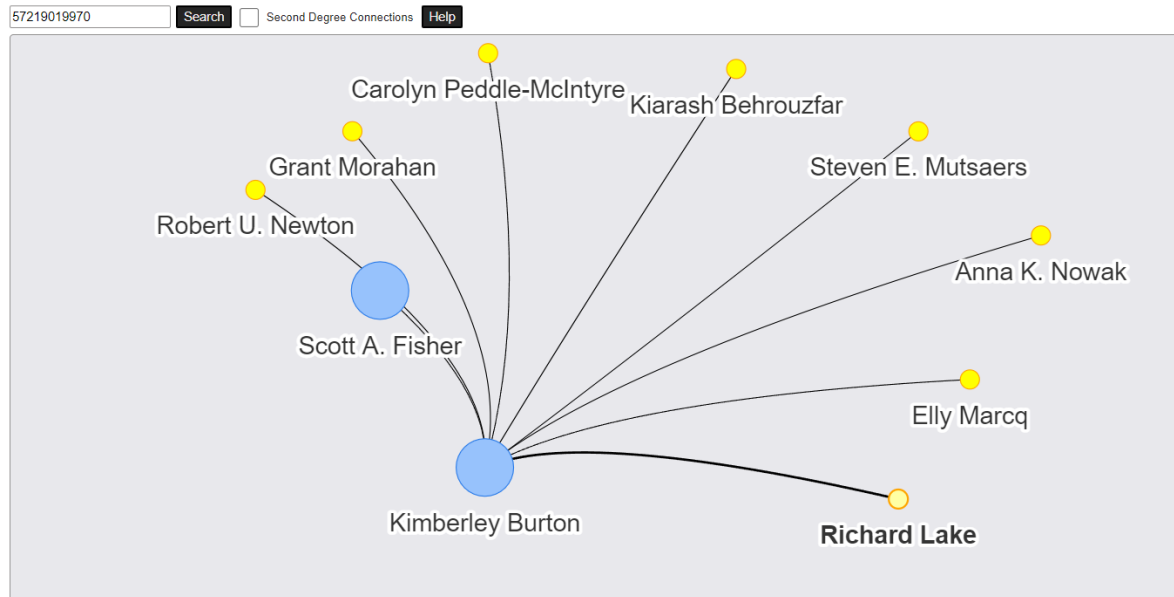
API Key

Submit

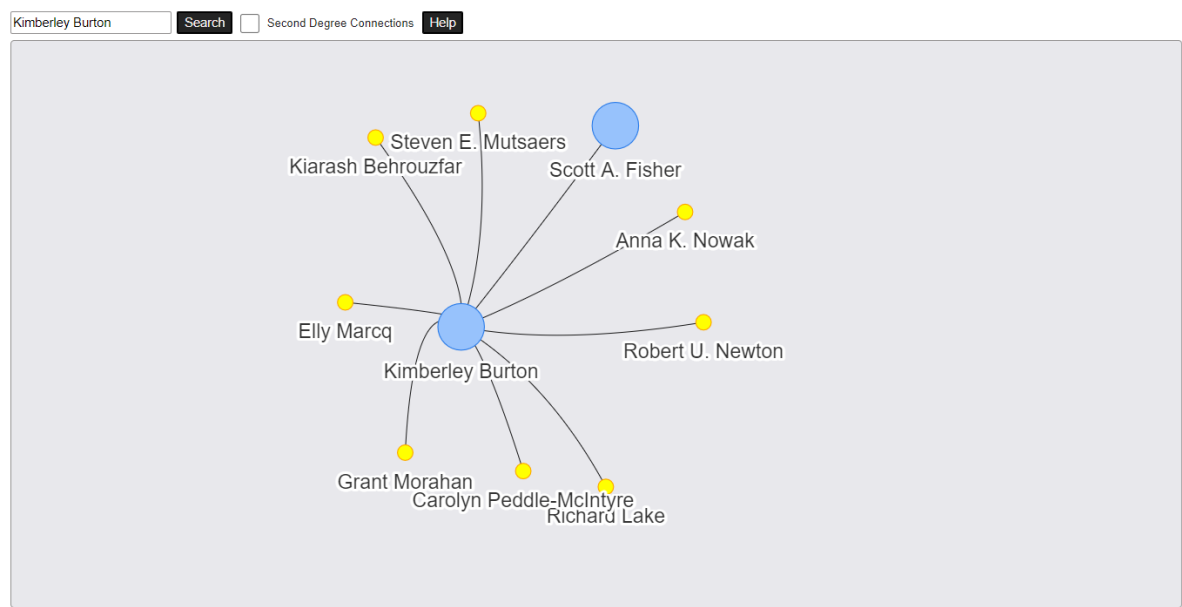
Clicking on Tool in the navbar will take you to the network visualiser which looks like this



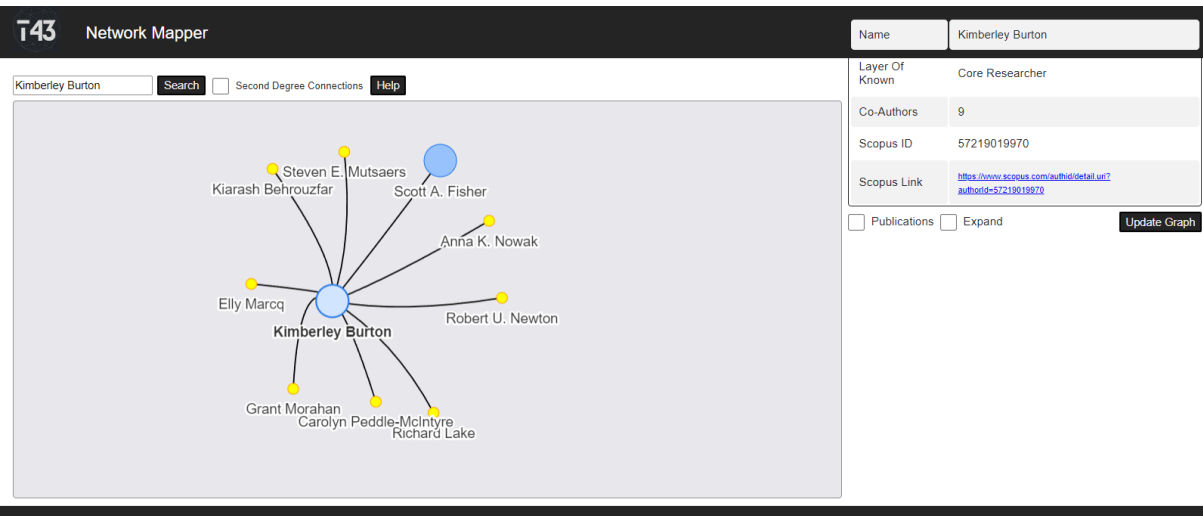
To use the Network Mapper ensure that the neo4j Database is open as described in the Running the Web App section and then enter a Scopus ID or name into the search bar above as seen below. To navigate the network mapper click on an empty piece of “greyed” out area and drag and the view of the network will pan in whatever direction you move the mouse. To zoom in and out just click anywhere on the greyed area of the network and scroll with the scroll wheel.



Alternatively searching with the researchers name also provides the same map as seen below. (Note. See the end of the document for a full list of researcher Scopus IDs and names as the names are case sensitive and must be exactly as specified in the list).



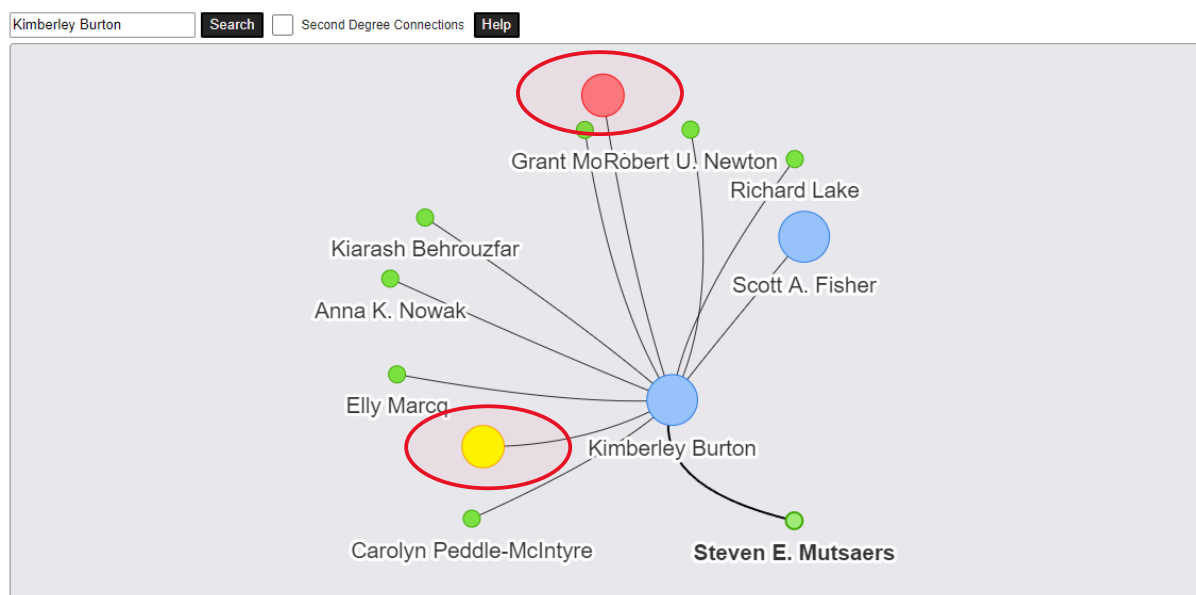
Clicking on a researcher will highlight their connections and open a table with their details as seen in the images below. Clicking and holding on any node will allow you to drag and rearrange their position on the graph.



Name	Kimberley Burton
Layer Of Known	Core Researcher
Co-Authors	9
Scopus ID	57219019970
Scopus Link	https://www.scopus.com/authid/detail.uri?authorId=57219019970

☐ Publications
 ☐ Expand
 Update Graph

Clicking on publications and then update graph will display the researchers publications as nodes on the graph with no names as seen below which are coloured based on type (Article, Review, Erratum ect).

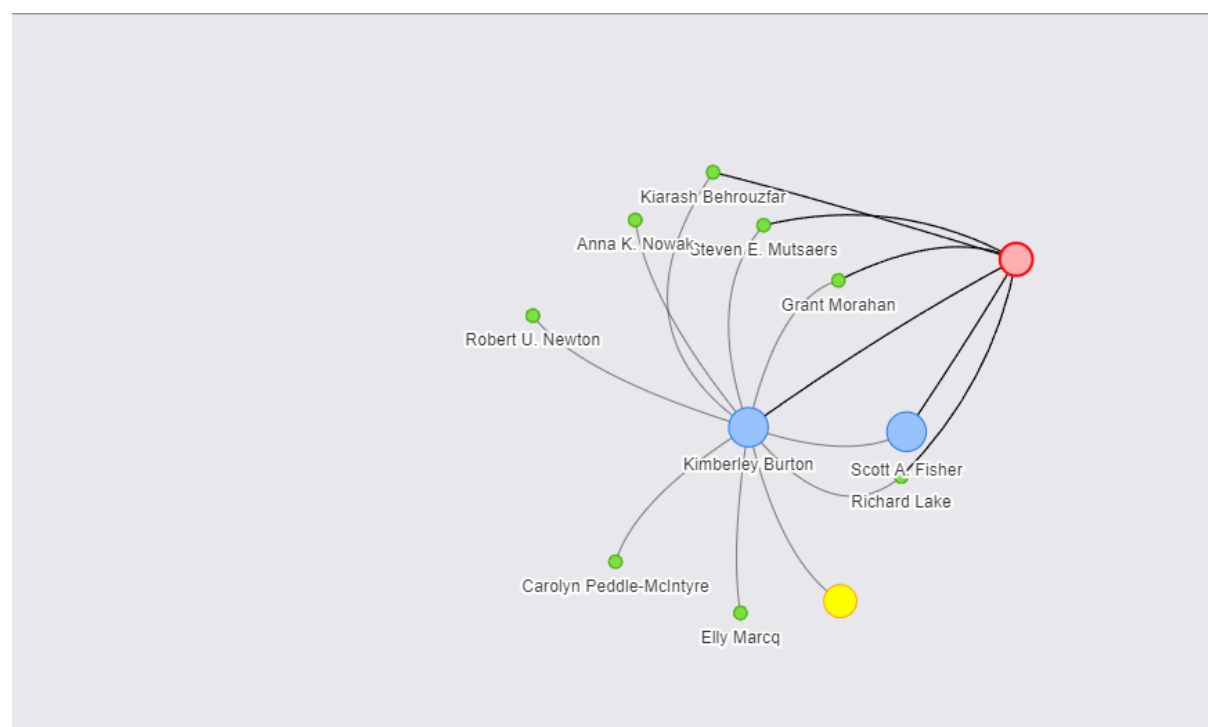


Clicking on these nodes displays the details of the publication they worked on as can be seen below

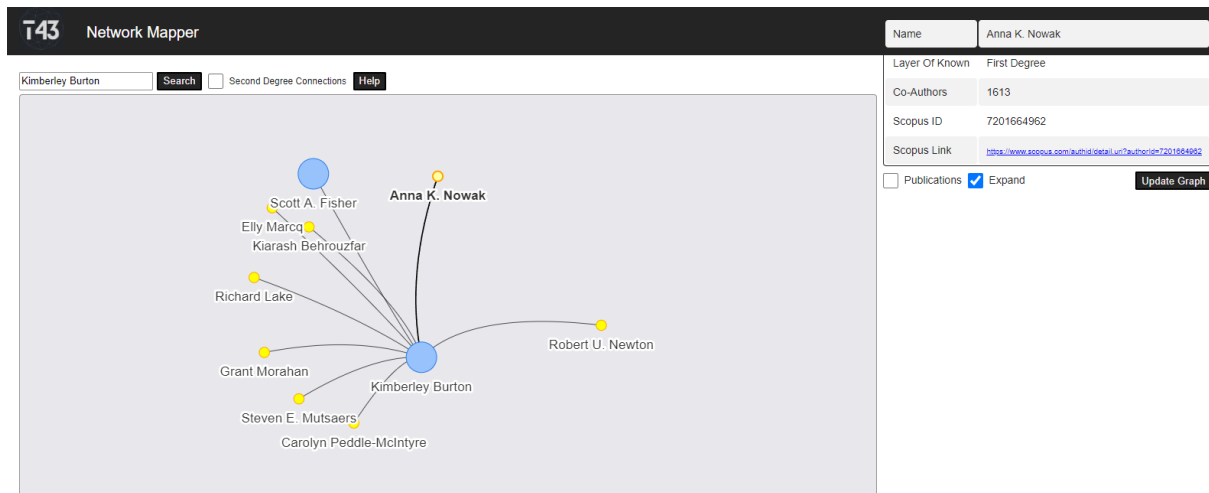
Title	How to Better Understand the Influence of Host Genetics on Developing an Effective Immune Response to Thoracic Cancers
Co-Authors	6
Type	Review
Publisher	Frontiers Media S.A.
Project id	85109066507
Project Link	https://www.scopus.com/inward/record.uri?partnerID=HzOxMe3b&scp=85109066507&origin=inward
<input type="checkbox"/> Expand	

Search

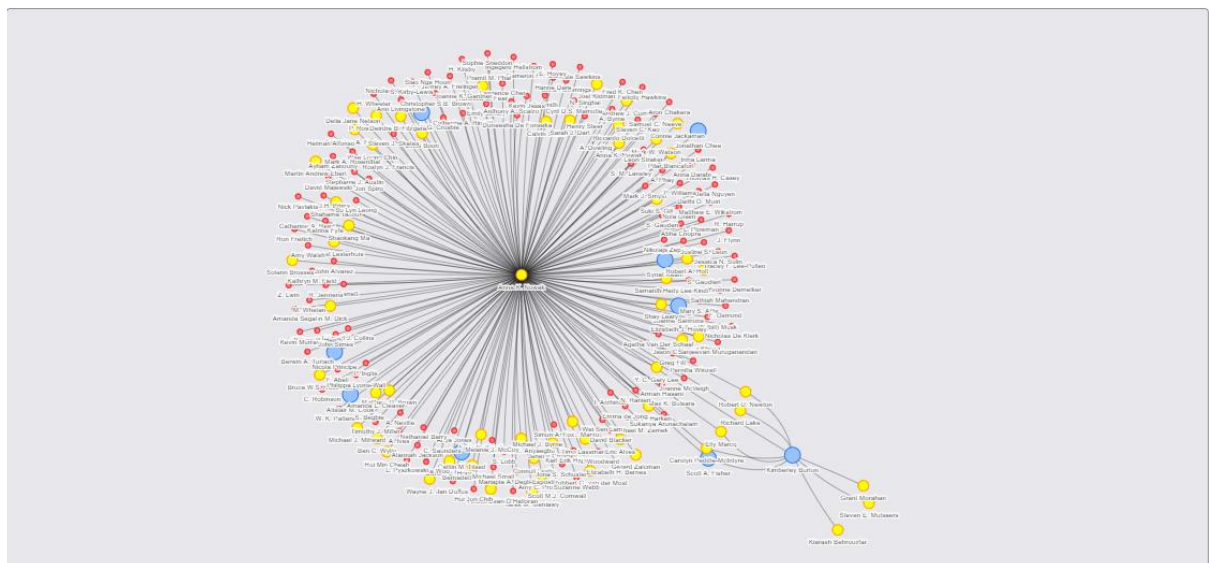
Clicking on expand and then search will display this publication node with all of the researchers that worked on it as seen below.



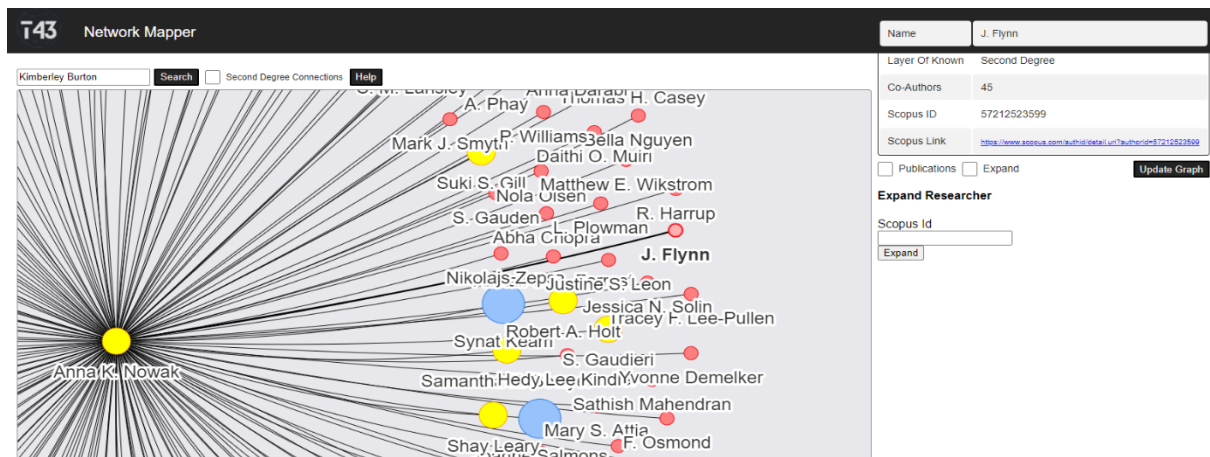
Alternatively clicking on a linked researcher and clicking expand as seen below will expand the Network with all of that selected researchers connections.



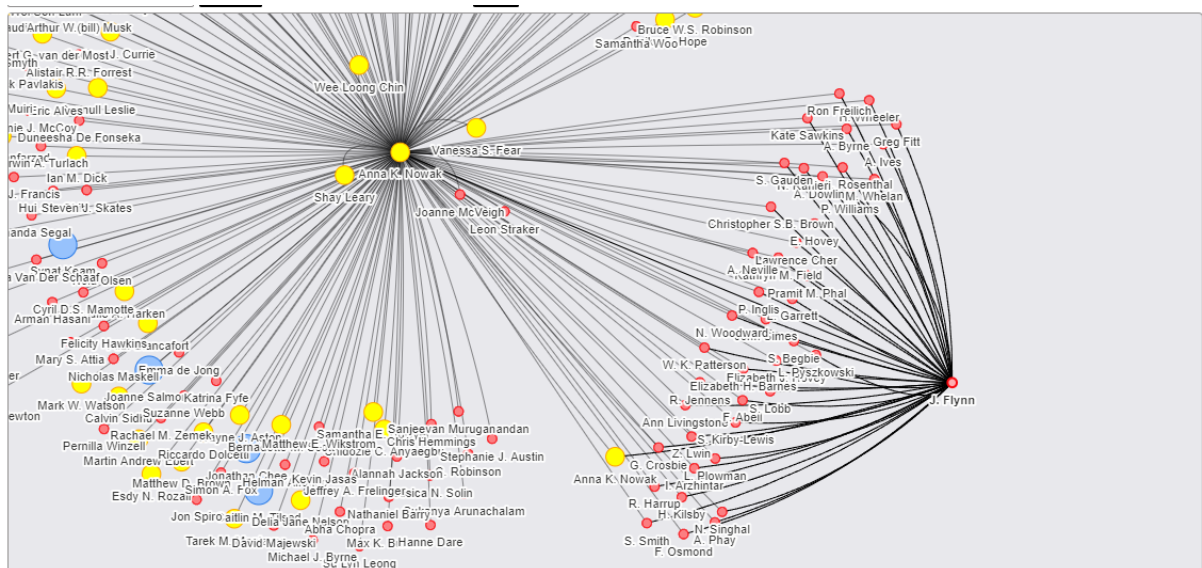
This is the expanded graph from the above selection. Clicking on different nodes we can see that we are now viewing the graph of Anna K. Nowak who was a first degree link to Kimberley Burton.



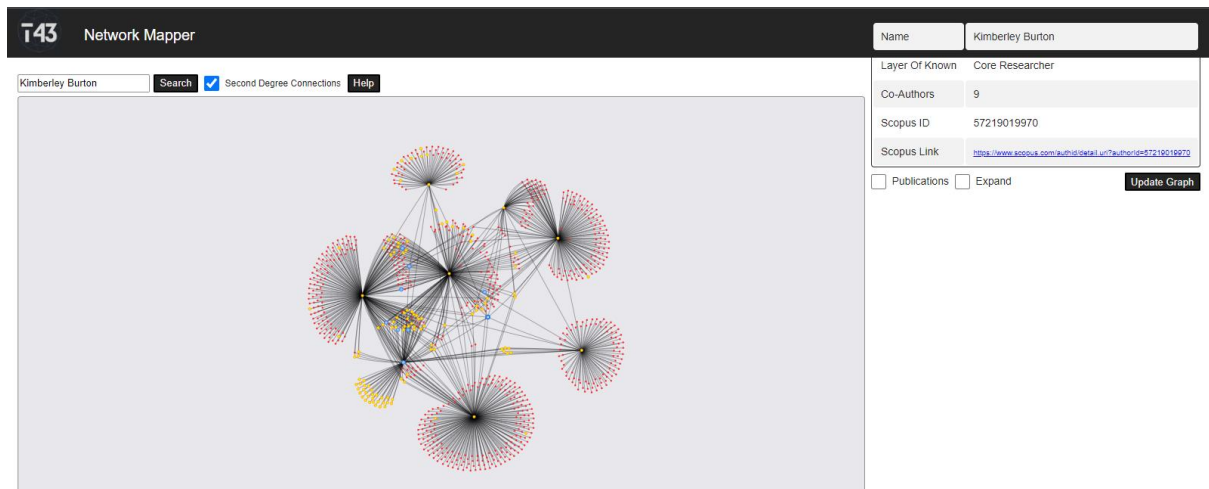
Zooming in and clicking on one of the nodes we can see second degree links to Kimberly.



We could then click on this second degree and expand again to check how connected this second degree link is as seen below (note this may take a moment).



When searching for Core researchers clicking the Second-Degree Connections will display a graph with all the second degree links to that core researcher as seen below, the above steps can then be taken again to keep expanding this graph. (note searching with second degree connections may take a while)



Core Researcher List

Copy and paste Scopus IDs and Names from here to avoid searching with errors. If the names are not exactly as specified in this table the search may not bring up that researcher.

Scopus ID	Name
57219019970	Kimberley Burton
57216501896	Synat Keam
57210644282	Nicola Principe
57209335346	Amber Louw
57208166414	Mariana Lizeth Orozco Morales
57221013971	Linda Ye
57203278857	Caitlin M. Tilsed
57195488227	Kiarash Behrouzfar
57004266000	Alistair M. Cook
56306019600	Jamie S. Linthorne
55659418600	Joanne Salmons
53263517200	Jonathan Chee
36641521800	Tanya L. Butler
35409967700	Alison M. McDonnell
7401755590	Scott A. Fisher