## S1 File

## Web application User guide

(http://83.212.109.111/amyloid\_interactome)

In order to create an interactive network visualization, **Cytoscape.js** was used. Cytoscape.js, a graph theory library, allows for the display and manipulation of rich, interactive graphs such as the amyloid interactome. For more details please refer to Fig 1 and 2 of the main manuscript and S2 Fig on the Supporting Information Field.

In the main window the user can see the entire network and "interact" with it.





The user is allowed to select between the different networks described in the main manuscript: Fig 1 (Amyloid Interactome), S2 Fig (Amyloidogenic proteins, *in vitro* amyloidogenic and amyloid forming proteins, Hubs and Bottlenecks, Molecular Chaperones of the Amyloid Interactome) and the clustered network of

Fig 2 (MCL clustering of the Amyloid Interactome), using the drop network list on the upper left corner of the window as shown above.

A button on the upper right corner of the screen allows the user to **show/hide the toolbar** of the application. Among the available functions, the **fit** to window button lets the user to adjust the network to its original position whereas the background colour allows the change of the network's background appearance.

Important information can be gathered from the Table Pane where the user can see all relevant information regarding selected nodes and edges, as they are deposited in the MITAB2.5 file in Intact, from where the interactions were gathered.

Specifically, the **Node Table** contains **unique identifiers** for each node (usually the UniProtKB AC), **Alternative Identifiers** for proteins (e.g. Gene Names), **Aliases** in various databases, the **NCBI Taxonomy identifier** and a column with the **Recommended UniprotKB Protein Name.** For **amyloidogenic proteins** a column with **abbreviations**, used in the main manuscript, is given, and columns indicating whether a protein is a **hub and/or bottleneck**, as well as, a column to discern between *in vivo* and *in vitro* and amyloid forming nodes. Part of the Node Table is shown below.



The Edge Table contains unique identifiers for each edge, the Interaction detection method, the First author of the publication and Identifier of the publication in which this interaction has been detected, the Interaction type(s), the Source databases and identifiers, the Interaction identifier(s) in the corresponding source database and a confidence score for each interaction. Part of the Edge Table is shown below.

	Edge						٢
shared_interaction	Confidence_value_s_	Interaction_detection_method_s_	shared_name	Publication_1st_author_s_	Publication_Identifier_s_	Source_database_s_	name
psi-mi:"MI:0407"(direct in teraction)	intact-miscore:0.41	psi-mi:"MI:0813"(proximity ligation assay )	P01236 (psi-mi:"MI:0407 "(direct interaction)) P16 471-7	Fleming et al. (2013)	imex:IM-20982[pubmed:2304 8206	psi-mi:"MI:0469"(IntAct)	P01236 (psi-mi:"MI:04 "(direct interaction)) P4 471-7
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