GOBIOM Use Case 1
Identifying potential drug targets for Alzheimer’s Disease

✓ A drug discovery research group intends to study all the reported diagnostic biomarkers of Alzheimer’s disease and identify few markers that has the potential to pursue as validated targets for the disease.

✓ The groups main objective is to assess all the blood, tissue, gene, mRNA markers reported for the diagnosis of Alzheimer’s disease.

✓ Once a clear association between the marker and the disease is established, lab would like to understand the sensitivity and specificity of the marker in diagnosing a disease and further explore if it has the potential to be a drug target.

✓ They also would like to explore the opportunity of developing a diagnostic kit for a highly-sensitive marker that is still in the exploratory stage
A search in the GOBIOM database by ‘Indication Name’ ‘Alzheimer's disease’ and the ‘Application’ ‘Diagnosis’ reveals the biomarkers reported for Alzheimer’s disease. The auto-fill text function helps to select the correct wording for this search.

The progressive filtering of the search engine further helps the user in identifying the company/academia who reported the diagnostic marker and the literature source where the evidence information is published.
User can quickly identify the biomarkers which are still not part of any clinical trials and assess their validity in becoming potential drug targets.
User can analyze the following parameters to freeze on the best biomarkers that are both objective and measurable

- What is the nature of these biomarkers?
- What is the specimen in which these biomarkers are studied?
- What are the experimental assays reported to measure the biomarkers?
- How sensitive and specific are these biomarkers?
- Is there any approved experimental assay and assay kit in the market to measure these biomarkers?
- Is there any particular ethnic study group to which these biomarkers are selective to?