

INTERNATIONAL TEAM

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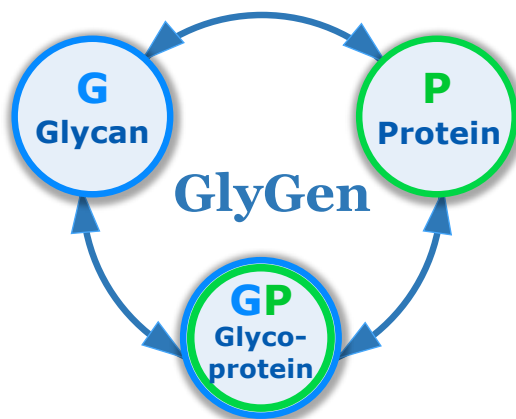
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GLYGEN FUNDING

GlyGen is supported and funded by the NIH
Glycoscience Common Fund Program
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Web portal: <https://glygen.org>

Data store: <https://data.glygen.org>

WS API: <https://api.glygen.org>



https://twitter.com/gly_gen



**Computational and
Informatics Resources for
Glycoscience**



GlyGen.org



DATA INTEGRATION

Data from the different resources are accessed and downloaded in resource-specific formats (e.g. RDF, FASTA, CSV).



QUICK SEARCH

Complex multi-domain search queries can be performed using the quick searches which are based on user requests.



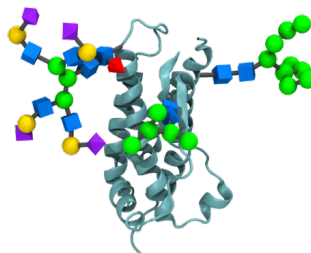
DATA COLLECTION

Data integration with intensive data quality control. Metadata is captured using the BioCompute Object schema.

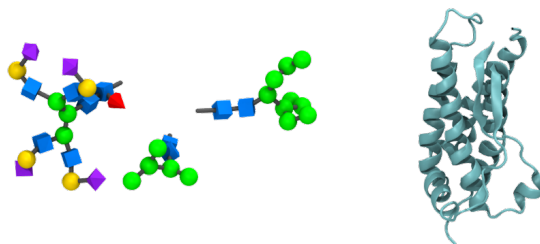


EXPLORE SEARCHES

GlyGen provides users with Glycan, Protein, Glycoprotein searches via simple or advanced search options.



GlyGen is a data integration and dissemination project for carbohydrate and glycoconjugate related data. GlyGen retrieves information from multiple international data sources and integrates and harmonizes this data. The GlyGen web portal allows exploration of this data and execution of unique searches that cannot be performed using any of the integrated databases in isolation.



SCOPE

GlyGen integrates human and mouse proteins (human: 21080, mouse: 22289) and glycans (human: 3302, mouse: 517).



RESOURCES

A library of glycobiology resources including databases, tools, learning material and tutorials is provided.



SPARQL ENDPOINT

All datasets are also RDFized using standard ontologies (e.g. UniProt RDF schema, GlycoCoO, FALDO) and made available via our public endpoint.



FEEDBACK

Our integrated feedback system allows users to submit comments and suggestions on every web page.