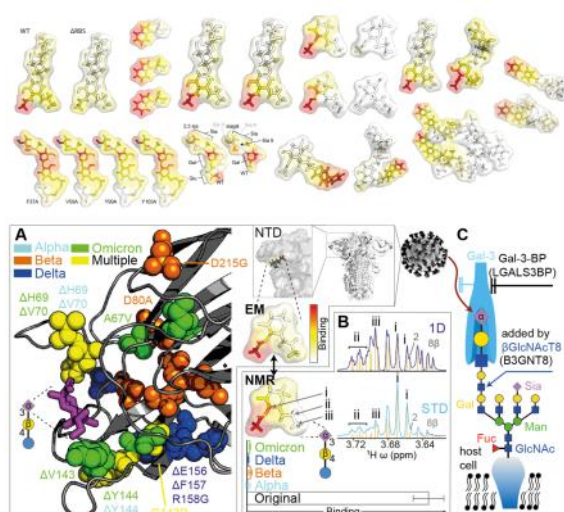


# uSTA- Software for analysing saturation transfer difference NMR data

uSTA is a University of Oxford software platform for analysing saturation transfer difference NMR data, designed to reveal and quantify how ligands bind to challenging biological targets.

**Applications:** NMR Data, saturation transfer difference, software



## Features

Automated STD-NMR workflow

Advanced peak picking and deconvolution

Quantitative binding analysis

## Benefits

uSTA is suited to complex systems such as heavily glycosylated, post-translationally modified or pathogen-derived proteins that can be challenging for conventional biophysical workflows

Automated peak detection, deconvolution and quantitative modelling reduce reliance on subjective manual interpretation

Accelerates discovery programmes

| Features                                                                                                                                                          | Benefits                                         |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| The platform generates atom-level transfer-efficiency maps and ligand binding-pose heat maps, helping users interpret which parts of a ligand contact the protein | Extends the value of existing NMR infrastructure |

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## Patented and Available for

- Co-development
  - Consulting
  - Licensing
- 

To find out more, contact [enquiries@innovation.ox.ac.uk](mailto:enquiries@innovation.ox.ac.uk) and quote the project number.

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