

# Proteins & Structures: High-quality recombinant proteins and structural biology services

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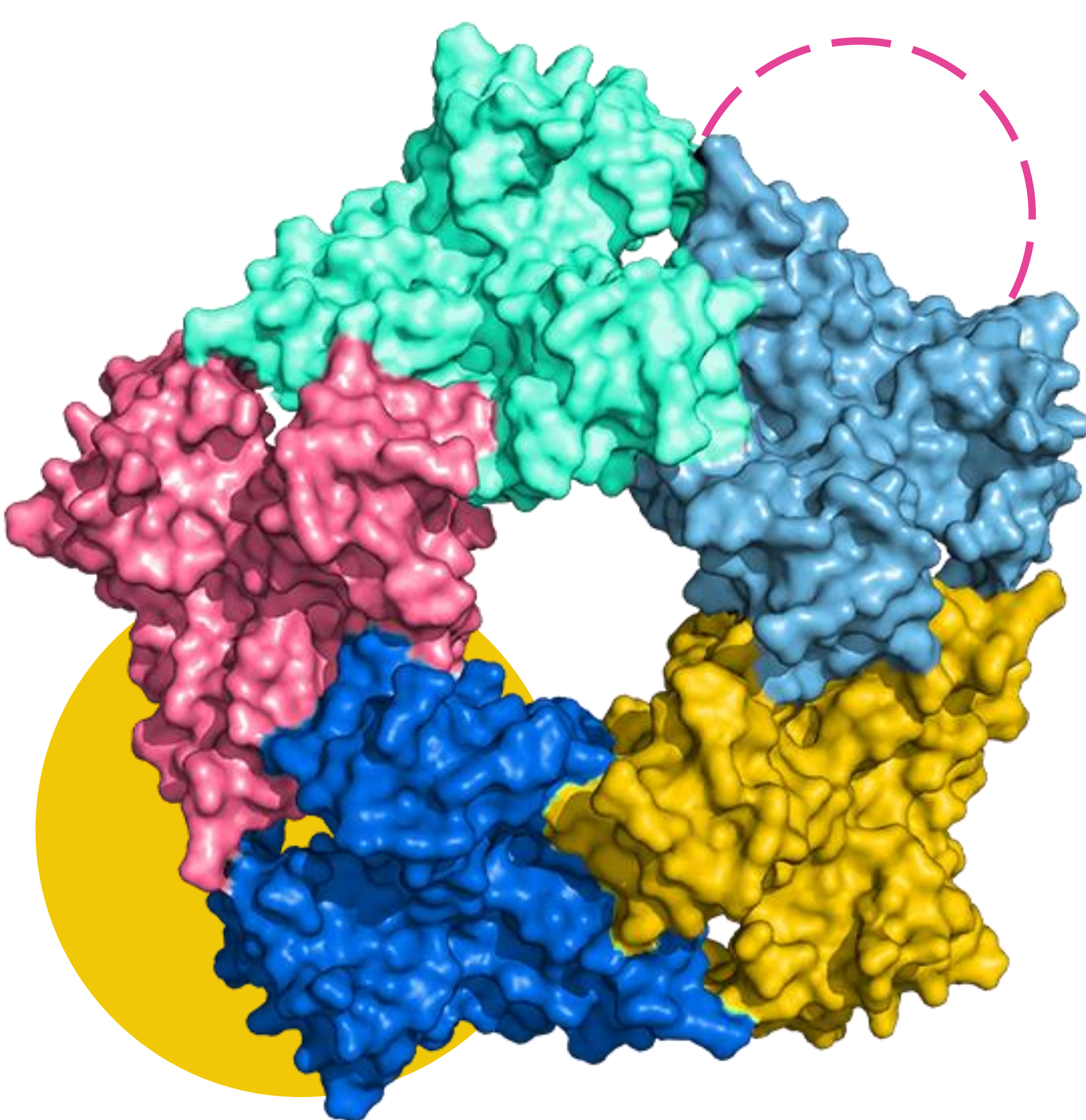
## Do you need a sustainable supply of your protein?

### We offer large scale streamlined production of proteins

- ✓ Method development for high-yield protein production
- ✓ Large-scale production (from hundreds of milligrams to grams)
- ✓ Batch-to-batch quality and consistency

### Multiple expression systems

- ✓ Bacteria (up to 100 L / week)
- ✓ Insect cells (up to 40 L / week)
- ✓ Mammalian cells (up to 12 L / week)



## Does your experiment require tailored proteins?

### Design your experiment with our custom-made proteins

Crystallisation and cryo-EM grade proteins	Labelled proteins
<ul style="list-style-type: none"> <li>✓ Custom construct design to aid crystallisability</li> <li>✓ High stability and homogeneity</li> <li>✓ Confirmed by Extensive Quality Control</li> </ul>	<ul style="list-style-type: none"> <li>✓ Isotopes (<sup>15</sup>N, <sup>13</sup>C, <sup>2</sup>H), uniform and site-specific</li> <li>✓ Modified amino acids</li> <li>✓ Biotinylation</li> <li>✓ Custom modifications (phosphorylation)</li> </ul>
Sterile proteins	Protein complexes
<ul style="list-style-type: none"> <li>✓ Low endotoxin content</li> <li>✓ Low nucleic acid contamination</li> </ul>	<ul style="list-style-type: none"> <li>✓ Co-expression</li> <li>✓ Reconstitution <i>in vitro</i></li> </ul>

## Do you want to learn how your molecule interacts with the target protein?

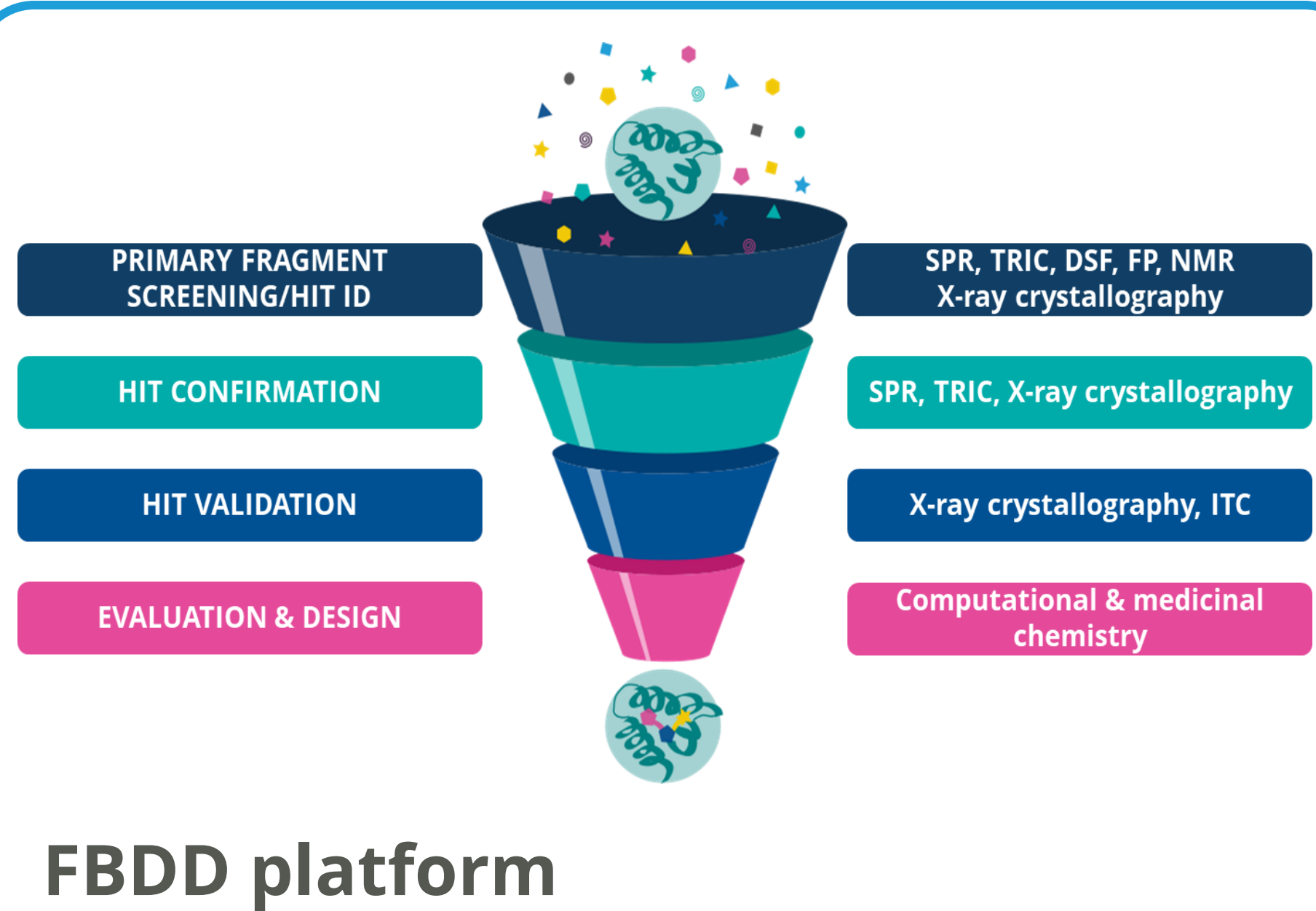
### Explore our X-ray crystallography and Cryo-EM services

- High-throughput crystallisation screening
- Extensive optimisation and seeding approaches
- Data collection at top facilities in Europe
- Experience with a broad range of ligands: soaking and co-crystallisation
- Expertise in structure determination and refinement

## Do you want to identify or validate the hits in your drug discovery campaign?

### Flexible one-stop gene-to-structure answer to meet your project needs

- Orthogonal validation of screening hits
- Structure-based drug design: hit-to-lead development, lead optimisation
- Fragment-based drug discovery (FBDD) with combined structural and biophysical approaches (X-ray crystallography, SPR, TRIC, TS)



## Why work with us?

- We have been working with proteins **since 2008**
- Flexible entry and exit points
- High ratio of successful projects and returning clients
- **FTE** and **FFS** collaboration models
- Transparent communication according to client needs
- Detailed reports and Certificates of Analyses



## WANT TO LEARN MORE?



FBDD



Biophysical Platform



Recombinant protein production



X-ray crystallography