



## Master project 2024-2025

### Personal Information

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| <b>Institution</b> | Chemotargets SL  |
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| <b>Group</b>       | Computational Drug Design                                      |

### Project

## Structural bioinformatics

**Project Title:**

Design of molecular glues

**Keywords:**

Molecular Glues, Structure-based Design, Fragment Screening, De Novo Design, Generative Chemistry

**Summary:**

Molecular glues represent a new modality of therapeutic small molecules specifically designed to stabilise protein-protein interactions, offering opportunities to target proteins previously deemed undruggable. Chemotargets has developed an AIDD platform for generative drug candidates that would like to customise for new therapeutical modalities. Accordingly, the main aim of this project will be to investigate the applicability of our AIDD platform for designing molecular glues.

**References:**

S. L. Schreiber. The rise of molecular glues. Cell 2021, 184, 3-9

**Expected skills:**

Good programming skills; good level of English

**Possibility of funding:**

Yes

**Possible continuity with PhD:**

Yes