

## Getting personal: advancing personalized oncology through computational analysis of membrane proteins

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## GETTING PERSONAL

Advancing personalized oncology through computational analysis of membrane proteins

Proefschrift

ter verkrijging van de graad van doctor aan de Universiteit Leiden, op gezag van rector magnificus prof.dr.ir. H. Bijl, volgens besluit van het college voor promoties te verdedigen op vrijdag 24 januari 2025 klokke 11.30 uur

door

Marina Gorostiola González geboren te Medina de Pomar, Spanje in 1994

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The research described in this thesis was performed at the Division of Drug Discovery and Safety of the Leiden Academic Centre for Drug Research (LACDR), Leiden University, The Netherlands.

To mom, dad, and anyone else who has received the terrifying diagnosis of an undruggable tumor About this thesis title and cover:

The primary challenge in treating cancer stems from its extensive heterogeneity, resulting in a scenario where each patient presents with a distinct disease defined by their unique genetic profile. While this complexity may seem overwhelming, computational tools offer a valuable solution for compiling individual data from a large number of patients, ultimately identifying biomarkers and targets to enable personalized diagnosis and treatment for specific subpopulations. Essentially, the tools developed in this thesis facilitate the customization of oncological treatment for each patient. In short, we are Getting Personal.

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