

Marie-Sklodowska-Curie Actions - Doctoral Network

A training network on the design of precision therapeutics that target key glycan motifs implicated in cancer

October, 2025 Newsletter 03

2nd Conference Meeting in Porto, Portugal

PhD Students and Supervisors Reconnect at the 2nd GlycanDrug Conference

Catching Up and Connecting - Showcasing Research - Learning from Experts - Beyond the Lab - Growing Together

Our network came together once again for a dynamic conference where our DCs and supervisors reunited to share progress and exchange ideas. PhD students from the GlyCanDrug network presented their work so far, sparking lively discussions and receiving valuable feedback for the progress of their research.



broaden perspectives. Soft skills courses helped PhD students strengthen communication, collaboration, and career planning for the future.



together. **Our DCs secondments**

A secondment offers PhD students a unique chance to expand their research, build new collaborations and friendships,

and gain valuable international experience Overal, it's an opportunity for our DCs to grow both scientifically and personally So we would like to share with everyone a part of their secondments!!

University of Florence Université de Lille — University of Ljubljana



April of 2025. There she was able to work on the synthesis of activated sugar donor to be used in the development of the microplate assay for fucosyltransferases. Technical University of University of Florence Denmark

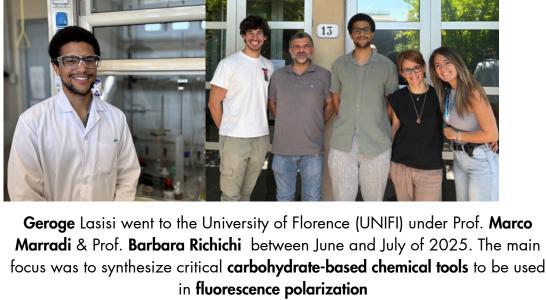
laboratory in the University of Ljubljana between March and



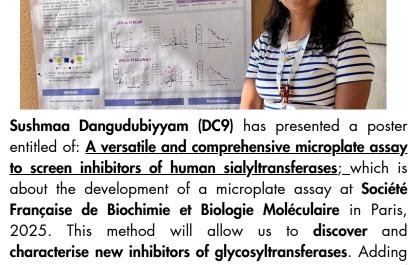
i3S, University of Porto

work on the evaluation of the compounds she synthesized at the University of Florence in cancer cells. These compounds were to assess their ability to target the Golgi apparatus.

the **i3S** between May and June of 2025. There she was able to

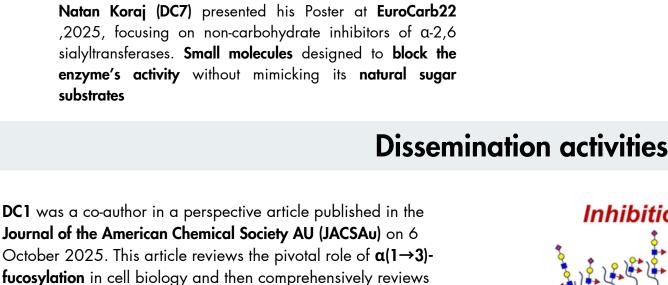


Dissemination activities Pedro Miguel Ascenso Vieira (DC1) Sushmaa Dangudubiyyam (DC9)



to this Sushmaa also did a video entitled: Development of microplate glycosyltransferase assays for enzymatic characterization and inhibitor screening; this video was made for the Journées André Verbert, which is the PhD days in the graduate school of health and Biology in the **University of Lille**, that took place in September 2025 at the University of Lille. Click on the title and go check it out! Georgia-Myrto Prifti (DC2)

Georgia-Myrto Prifti (DC2) presented her Poster at EuroCarb22 ,2025, entitled: Golgi targeting: Unlocking new avenues in cancer therapy; which is focused on precision delivery of cancer therapeutics to the Golgi apparatus, where glycosyltransferases are found. Developing targeting compounds will lead to enhanced delivery of therapeutics. Natan Koraj (DC7)



the evolving chemical strategies to custom-modify $\alpha(1\rightarrow 3)$ -

of human cell surface fucosylated glycan motifs.

"translational glycobiology".

Secondment

Ljubljana

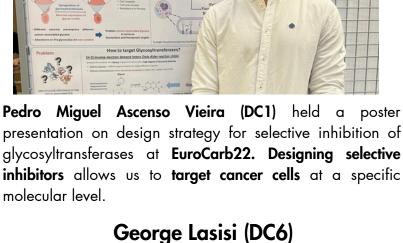
March-April

DC9

2025

fucosylation of the glycocalyx to achieve highly specific control

These efforts serve as a prime example of how the fine control



George Lasisi (DC6) presented his work of developing high-



Jordan Gotti (DC3) participated in the European Research **Night** on September 26th that took place in **i3S**, in Porto. Helping expand science to the younger generation and

everyone that is curious to know more!

Inhibition of $\alpha(1\rightarrow 3)$ -fucosylation

Chemical tools

Inhibitors of the biosynthesis of GDP-Fuc

"Glycan Editing" vs "Glycan-motif editing"

Fucosyltransferases Inhibitors

of cell surface fucosylation can enable the generation of glycanbased precision therapeutics, driving forward the field of Press the image an go check it out!!!!

DC7

The Timeline **Secondment** Secondment DC2 DC₆ **Florence** Porto June-July May-June

Secondment Secondments, Secondment conferences, DC1 Budapest Germany and more November October

3rd Conference Meeting

Seville, Spain

November, 2025

Scientific Workshop & October **III Soft Skills Workshop**

Stay tuned!

Secondment

DC3

Lille

Stay tuned for **project updates** from our researches, their **experiences** from secondments and gripping interviews with experts in the field of

To learn more about GlyCanDrug visit https://www.glycandrug.eu/



glycosciences.









