GLYC IMAGING

TARGETING TUMOR SPECIFIC GLYCANS glycoimaging.mah.se

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This is Glycolmaging

In Glycolmaging we will address the need of sensitive and effective diagnostic tools while exploiting novel nanoparticle probes called molecular imprinting polymers, MIPs, targeting tumor specific glycan structures. These "plastic antibodies" will be developed and used for real-time visualization of cellular cancer biomarkers and in low-cost clinical diagnostics.

Synthesis of sialic acid specific nanoparticles (MIPs). Targeting of sialic acid MIPs to cancer cells in cultures.

Imaging of sialic acid MIPs binding to cancer cells as shown by digital holographic microscopy.



About Glycolmaging

Glycolmaging is a European Training Network (ETN) funded by the European Commission under the Horizon 2020 Marie Skłodowska-Curie Action, with the aim of developing the next generation tools for cancer research and diagnostics. 5 research groups, spread across 5 universities and institutes and 3 industrial partners in 4 different countries have come together to train a new generation of chemists/biologists through an EU-wide PhD training network.

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This project has received funding from the European Union's Horizon 2020 research and innovation programme under the Marie Skłodowska-Curie grant agreement No 722171.





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