

Leiden Institute of Chemistry

Chemical Biology

A research project related to 'Chemical Biology' can be done in various groups in the LIC. More information concerning the various research topics can be found at the website of the research groups and researchers, via <https://www.universiteitleiden.nl/en/science/chemistry>. In a personal meeting with the researcher you can discuss which projects are available and when you can start your research project.

Synthesis

Dima Filippov

Develops novel chemistry for biopolymer synthesis

Hermen Overkleeft

Design, synthesis and application of chemical probes in glycobiology and immunology

Sander Wezenberg

Develops stimuli-responsive molecular receptors and self-assembling materials to study and manipulate biological systems

Alexander Kros

Uses supramolecular approaches to design novel targeted drug delivery tools and to probe nanomedicine-biological environment interactions

Marta Artola

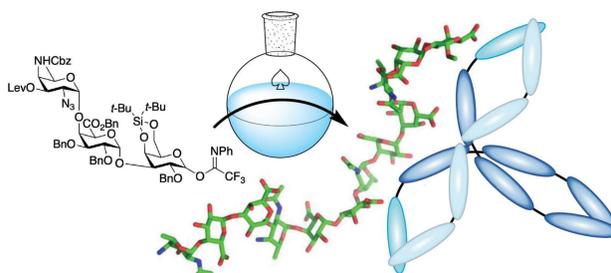
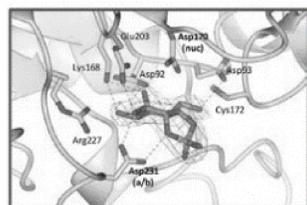
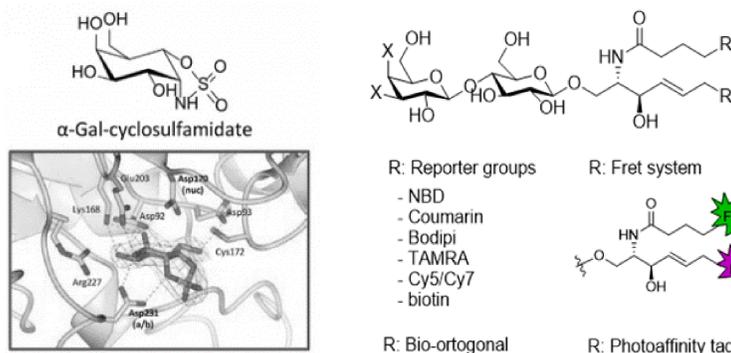
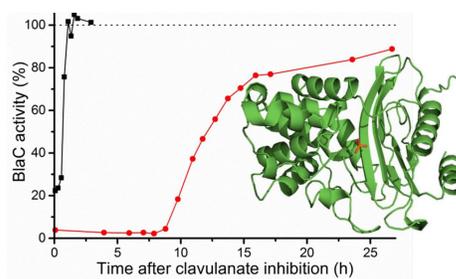
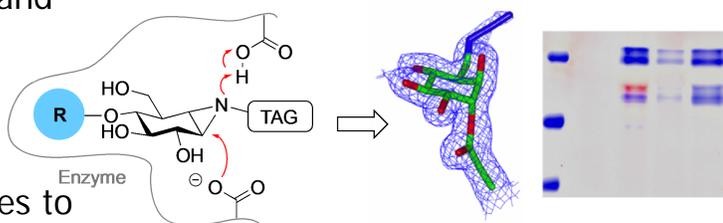
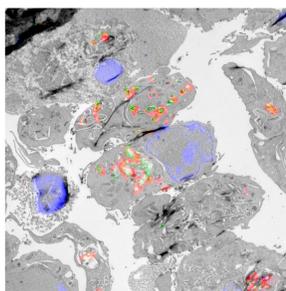
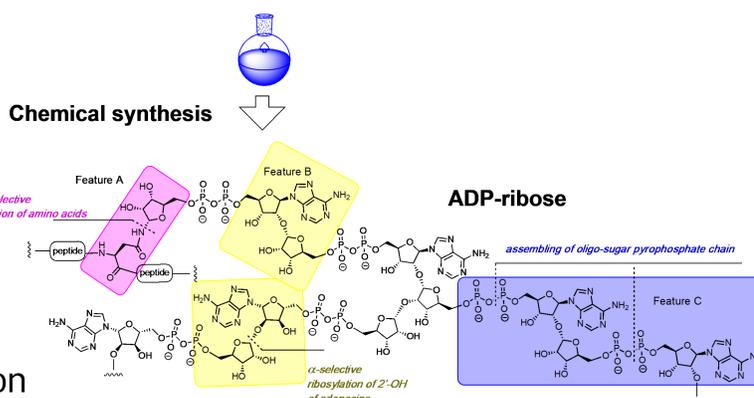
Design, synthesis and application of inhibitors and chaperones in glycobiology

Marcellus Ubbink

Studies structure, dynamics, function and evolution of enzymes with advanced spectroscopies

Hans Aerts

Translates fundamental biochemical investigations on glycosphingolipids and their metabolizing enzymes to improved diagnosis and therapies for lysosomal disorders



Jeroen Codée

Design and synthesis of bioactive carbohydrates for glycobiology and carbohydrate-based vaccines

Mario van der Stelt

Designs, synthesizes and applies novel molecules to study various diseases, such as infection, cancer and neurodegenerative diseases, with the aim to discover novel drug candidates

Sander van Kasteren

Uses organic synthesis and cell biology to study and manipulate the uptake and routing of antigens

Sylvestre Bonnet

Makes new light-activatable metal-based anticancer prodrugs for use as targeted anticancer agents

Roxanne Kieltyka

Designs and prepares supramolecular materials for biomedical applications

Remus Dame

Investigates the coupling of genome organization and genome activity

Biology