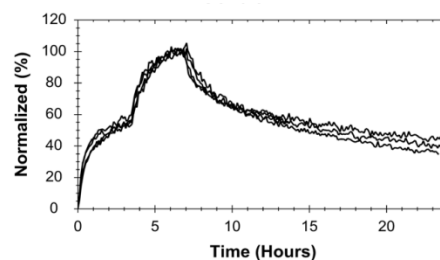
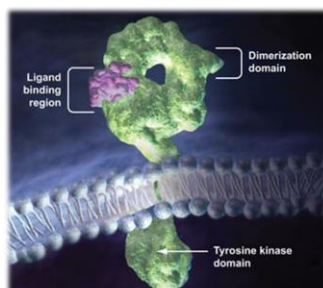


Degree project at Ridgeview Instruments

Communication between cells and their surroundings is often mediated via ligand-receptor interactions that transfer outside stimuli into intracellular signaling responses. Therefore, cellular receptors represent one of the most popular drug targets. Characterization of both innate ligand-receptor interactions and drug-receptor interactions are important for understanding biological systems and successfully targeting those by drugs.

Ridgeview Instruments develops and markets the LigandTracer instrument family for binding measurements in real-time on living cells. Besides detecting if an interaction occurs, measuring molecular interactions in real-time provides information on how likely an interaction occurs, its stability and strength and potentially the mode of action.



The degree project will include assay development/optimization and the assay will then be applied on a biological system relevant for cancer research. The project will involve cell culturing, protein labeling and real-time binding studies using LigandTracer. This will result in knowledge about molecular interaction analysis, cell biology and assay design. We look for a student that enjoys working at the interface of biology and technology, with team members from both areas.

If this sounds interesting we look forward to your application!

For questions please contact Sina Bondza: sina@ridgeview.eu

More information about Ridgeview and our technologies: www.ridgeview.eu