

Molecular interaction analysis on living cells using LigandTracer

Date: Midday 24 September – end of 26 September 2018
 Location: Uppsala, Sweden
 Organizer: Ridgeview Instruments AB, www.ridgeview.eu
 Price: €1800

Welcome to a course in LigandTracer interaction analysis on living cells, in which we go through kinetics, experiment setup and data analysis of both regular interactions and more complex systems. The course is suitable for beginners but will also include more advanced segments where you will learn more about how challenging biology can be resolved and understood using the instrument. Instead of solely discuss how to perform a measurement we will shift the focus to **why**:

- why do we need a certain kind of data
- why do we set up the experiment like we do
- why do we choose a particular interaction model in evaluation
- why and when are the results relevant

The course is based on the philosophy of continuous learning and consists of three steps:



The *preparation* includes an introduction exercise as well as a short interview with each participant a few weeks before the course start (over GoToMeeting or similar). This enables us to get an idea of your background, interests and goals with the course.

The *course* includes lectures, wet-lab exercises, computer exercises and discussions, led by the very experts developing time-resolved cell-based molecular interaction analysis. The course has a limited number of seats (10) and the small group size enables an open climate and for each participant to work close to the experts. We know that it is often expected that the participants educate colleagues back home and we therefore provide suitable material that facilitates such sharing.

The *follow-up* session a few weeks after the course (again over GoToMeeting or similar) makes it possible to clarify any remaining questions from the course and discuss any new questions that may have emerged.

Ridgeview Instruments AB is an instrument vendor focusing on time resolved interaction analysis for living cells and software solutions for any time resolved interaction analysis technology. Senior R&D staff at Ridgeview have decades of experience from both cell-based instrument development and SPR. We will hold an SPR course the same week as this cell-based course, with at least one overlapping segment to transfer knowledge between the groups.

Interested? Register at learning@ridgeview.eu before 1 September 2018.

Course leaders:



Karl Andersson, PhD, CEO
 Founded Ridgeview Instruments
 15+ patents, 50+ papers in the field
 11 years at Ridgeview Instruments
 10 years at Biacore R&D



Hanna Björkelund, PhD, Principal scientist
 Developed fundamentals of time-resolved cell-based interaction assays for complex systems. Supports pharma in SPR assays.
 11 years at Ridgeview Instruments



Jos Buijs, PhD, CTO
 Manages the LigandTracer technology development.
 5 years at Ridgeview Instruments
 13 years at Biacore R&D



Sina Bondza, MSc, Application specialist
 Co-invented and developed immune cell and receptor proximity assays for LigandTracer.
 3 years at Ridgeview Instruments