

Molecular interaction analysis on living cells using LigandTracer

Date: Midday 14 May – end of 16 May 2019
 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 includes advanced segments that cover how challenging biology can be investigated using the LigandTracer instrument and TraceDrawer evaluation software. 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 evaluate data with a particular interaction model
- why and when are 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 develops and provides technology, methodology, and evaluation software for time-resolved interaction analysis on living cells and its staff has collectively almost a century of experience in doing so.

Interested? Register at learning@ridgeview.eu before April 5, 2019.

Course leaders:



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



Sina Bondza, Ph.D. student & Application specialist
 Co-invented and developed immune cell and receptor proximity assays for LigandTracer.
 4 years at Ridgeview Instruments



Jos Buijs, PhD, CTO
 LigandTracer technology development.
 Adj. lecturer at Uppsala University
 6 years at Ridgeview Instruments
 12 y at Biacore R&D, 6 y academic research



João Encarnaçao, Ph.D. student
 Developed prokaryote attachment and intracellular binding assays for LigandTracer.
 3 years at Ridgeview Instruments