The introduction package

Have you ever wanted to learn the basics of real-time interaction measurements? We are offering an introduction package **free of charge**, in which the principles of dynamic interactions as well as the way to measure them will be discussed. This message is applicable to any time-resolved systems, and includes illustrations from our LigandTracer cell-based platform.

Package content

One month access to our digital training platform LigandTracer Learning. Contact us at learning@ridgeview.eu for a time limited license and find:
- Tools to measure interactions in real-time and to interpret the data
- Interactive lessons with immediate adaptive feedback
- Intuitive videos
- Additional background information in pdf format
- A quiz to test your knowledge

Instruction videos online (links found at www.ridgeview.eu/download/)
- Interaction principles, such as affinity, on- and off-rate
- Ideal binding trace samples to illustrate which curve shape to aim for to get the most informative data
- Instructions on how to perform a LigandTracer measurement – including installation, detection and analysis of your data

Downloadable content at our website (www.ridgeview.eu/download/)
- Protocols and experimental procedures applicable to time-resolved instruments with a focus on LigandTracer
- Application notes to exemplify the many uses of LigandTracer

The educational package

We aim to inspire a full educational and explorative experience for teachers and students alike. To this effect, we have crafted several pedagogical elements that may be used as one package for one or several full day training, or as individual sections to be incorporated and woven to your own teaching practice. The education package focuses on real-time measurements in general, kinetics, affinity and assay setup; all this exemplified using our cell-based platform LigandTracer.

Package content

6-month licenses to run LigandTracer Learning (packages of 20 or 60 licenses) with:
- Tools to explore interaction measurements in real-time and to interpret the data
- Interactive lessons with immediate adaptive feedback
- Intuitive videos
- Additional background information in pdf format
- A quiz to test your knowledge

An extensive depository of equations, graphs, and animated figures in a PowerPoint format, to support the teaching of biophysical and practical aspects of time-resolved binding interactions

Instructions to practice with LigandTracer in the lab (pdf files)
- Student material containing a theoretical background and illustrated instructions to perform an actual LigandTracer measurement
- Teacher's material for the preparation of the assay, including interaction theory, a literature list as well as suggestions for additional exercises
- General instructions and protocols to be used with the reagents of your choice
- Demonstration kits with all the reagents available for the practical exercise which may be purchased separately (LigandTracer Green only)

The training package

Let us come to your facilities for an on-site training in interaction analysis. This opens up for an efficient transfer of knowledge, relevant support and active discussions about your particular research. The content of the training will be adapted to your background, needs and research focus, to ensure that you get the best possible experience out of it. The package also includes access to our digital learning tool LigandTracer Learning as well as our evaluation software TraceDrawer for 6-months, for continuous education.

Package content

On-site training by one instructor, which typically contains the following:
- Wet-lab exercise using LigandTracer, including data interpretation
- LigandTracer Learning exercise
- Data analysis exercise using TraceDrawer
- Lectures, including for example :
  » Introduction to LigandTracer with application examples
  » Introduction to SPR with application examples
  » Planning and setting up an experiment (LigandTracer and/or SPR)
  » Data analysis and which data to aim for
  » Specificity and competition
  » Heterogeneous interactions
  » Multivalent interactions
  » Troubleshooting

Six 6-month licenses to run LigandTracer Learning
- Tools to explore how to measure interactions in real-time and how to interpret the data
- Interactive lessons with immediate adaptive feedback
- Intuitive videos
- Additional background information in pdf format
- A final quiz to test your knowledge

Six 6-month licenses to run TraceDrawer
- Extract kinetic information from your real-time interaction data
- Collect and compare results within a larger project
- Present results as reports and publishable graphs

Three demonstration kits:
- Each kit contains reagents for one measurement with LigandTracer Green
- Instruction booklet containing a theoretical background and illustrated descriptions on how to run a real-time measurement and what type of binding curve to aim for

Tailored lessons for LigandTracer Learning

Missing something in our learning material? We offer customized educational solutions as part of LigandTracer Learning. The tailored lessons may exploit the simulation tools and feedback technology found in existing lessons, or be more theory-focused with custom-made illustrations and animations. Contact us at **learning@ridgeview.eu** for an inquiry.