

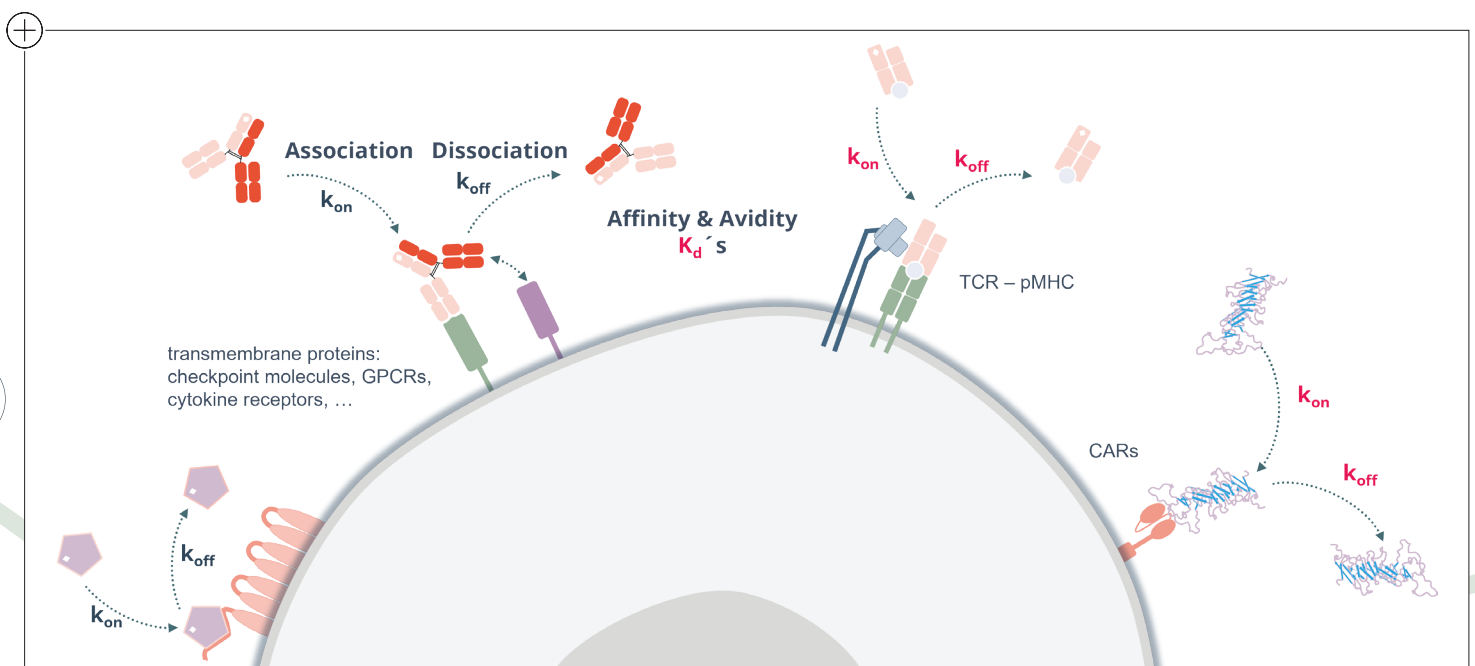
Discover single-cell Interaction Cytometry (scIC) – measure the kinetics of binding to cells in real-time

scIC can be used to characterise interactions involving antibodies, receptors, membrane targets and more where they matter: in their native environment on cells.

Combining biophysical measurement principles with cytometry, the heliX^{cyto} offers an automated analysis of association kinetics, dissociation kinetics, affinities and avidities.

Measuring binding kinetics directly on cells preserves the complexity of the biological system:

- Native transmembrane folding and conformational changes
- Native target density
- Target mobility in fluid membrane
- Native co-interactions

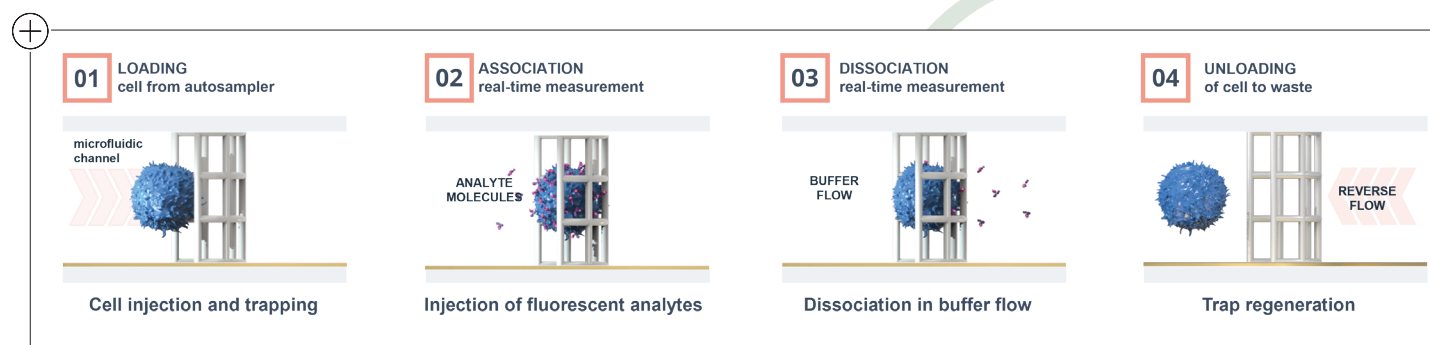


A precise characterisation of drug candidates in pre-clinical stages will foster higher success rates in the following *in vivo* studies and clinical trials.

Why choose **RoukenBio** to determine the kinetics of your therapeutic binding to cells?

- ⊕ **Be a first adopter** of a unique technology that yields decisive biophysical data for the characterisation of up till now inaccessible membrane targets.
- ⊕ **Understand the importance** of both affinity and avidity for your therapeutic.
- ⊕ **Measurements** are real-time and investigate interactions distributed over the entire cell.
- ⊕ **Characterise interactions** involving antibodies, receptors and membrane targets where they matter the most – in their native environments.
- ⊕ **Fluorescence detection** is size independent meaning scIC is applicable to any molecule from sub-nm to > 100 nm.
- ⊕ **Dual-colour detection** allows for the accurate interrogation of competition and inhibition assays.
- ⊕ **The measurements** are applicable to any eukaryotic cell type – adherent, suspension, fixed or live.

scIC in action



Find out more by downloading our scIC technical presentation and access sample data:



RoukenBio - The CRO redefined

Backed by our brilliant minds, we have turned the traditional CRO model on its head, by fostering a collaborative and personalised approach. Our mission is simple:

Solve problems. Deliver quality data. Propel your drug discovery breakthroughs.

United by a passion to make sense of complexities and overcome challenges, we apply our specialised knowledge to big-picture thinking. We will explore every option to deliver over and above for your project.

We are thought leaders with a deep understanding of immunology, bioassays, molecular biology and a track record of groundbreaking discoveries and novel cell-based tools.