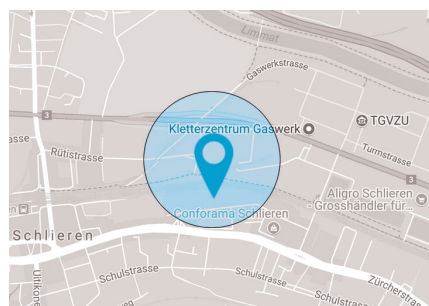




Thursday, 8th of March 2018

Axonlab invites you to the siTOOLS Biotech seminar: RNAi and CRISPR in Functional Genomics

Discover how the Pack Hunter Approach to Superior Gene Silencing can improve your results



Location: Bio-Technopark Schlieren-Zürich
Kuros Biosciences AG
Wagistrasse 25
8952 Schlieren
www.bio-technopark.ch/kontakt/

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|---------------|--|
| 14h00 – 14h05 | Welcome |
| 14h05 – 14h35 | «RNAi and CRISPR in Functional Genomics: Making Best Use of Two Powerful Tools» Dr. Michael Hannus, CEO, siTOOLS Biotech |
| 14h35 – 15h05 | «With RNAi towards a Molecular Understanding of Adenovirus Persistence» Prof. Dr. Urs Greber, Department of Molecular Life Sciences, University of Zurich |
| 15h05 – 15h15 | Questions and Answers |
| 15h15 – 16h00 | Apéro |

siPOOLS™ :

The Pack Hunter Approach to Superior Gene Silencing. RNAi Results You Can Trust.

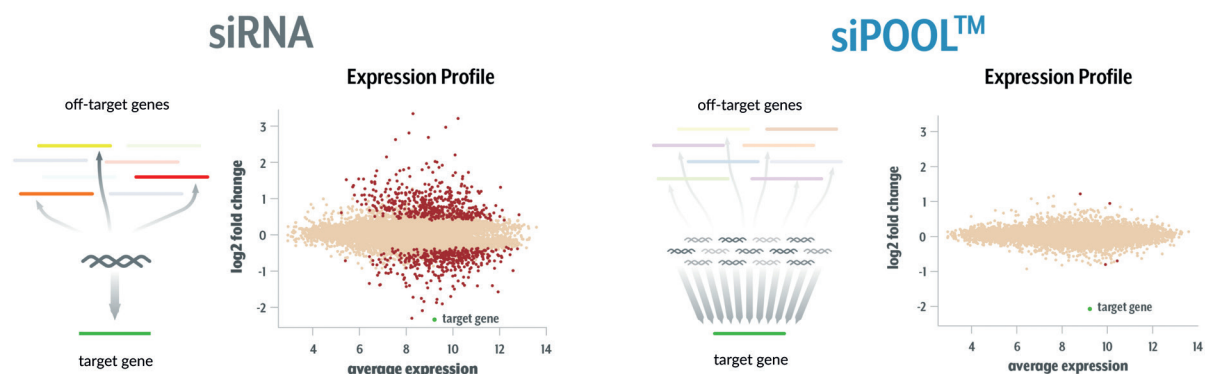
Scientists have been using RNA interference (RNAi) as a rapid and efficient tool to establish gene function. Yet the off-target effects and variable performance of short interfering RNAs (siRNAs) remain a troubling drawback, consuming precious time and resources in validation efforts.

siPOOLS™ are optimally designed, high complexity pools of ~30 selected siRNAs that produce highly specific and efficient gene silencing. Through a combination of high complexity siRNA pooling, proprietary design algorithms and quality production, siPOOLS efficiently suppress off-target effects while enhancing gene knockdown efficiency. Gene expression and functional assays demonstrate that siPOOLS™ produce far more reliable results than single siRNAs or low complexity siRNA pools, avoiding false positives and variable phenotypes.

Learn about siPOOL™ technology and see how it is applied in the study of Adenovirus persistence in this interactive seminar.

Key features and benefits of siPOOLS™ :

- ▶ Greatly reduced off-target effects. Attained by high complexity pooling which reduces individual siRNA concentrations and increases seed sequence diversity.
- ▶ Robust on-target gene knockdown at low nanomolar concentrations (1-3 nM in standard cell lines). Attributed to proprietary design algorithms that avoids paralogues, ensures complete transcript coverage and optimizes siRNA thermodynamics for RISC loading.
- ▶ Avoidance of immune stimulation or toxicity. Patented semi-enzymatic production and PAGE purification ensure siRNAs in siPOOL™ are equimolar, of defined length and highly pure.



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