

Advanced Genetic Tools

Hunt for Gene Function with Precision and Speed

Our Purpose

Create Reliable Genetic Tools to Improve Preclinical Research

Confounding results often stem from poorly specific reagents. Our tools, siPOOL (siRNA) for gene silencing and raPOOL/riboPOOL (biotinylated probes) for custom/ribosomal RNA capture are known for their **exceptional targeting specificity**, saving time and costs by increasing reliability of results. We also provide advanced big data analysis tools (Phenovault) and research services with the **mission of improving target validation and discovery in preclinical research**.



Our Expertise

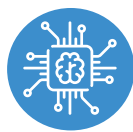
RNA Interference



RNA Synthesis



Bioinformatics



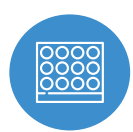
Pack Hunter Approach



Gene Expression



Functional Genomic Screening

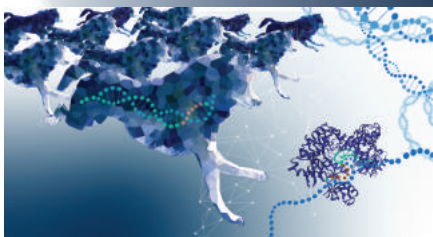


Founded in Munich and Regensburg in 2013 by RNA experts, we are comprised entirely of scientists with a long-standing experience in RNAi screening, RNA production and bioinformatics.

Core Technology



Optimal siRNA/Probe Design



High Complexity Pooling

Pack Hunter Approach

Efficient, Specific Gene Targeting By High Complexity Pooling And Optimal Oligo Design

Akin to group intelligence exhibited by pack hunters like grey wolves, our products use the power of numbers to overcome challenging targets. Composed of highly complex mixtures of optimally-designed siRNAs or biotinylated probes, our products were demonstrated to have markedly **reduced off-target effects**¹ and perform with **high reproducibility and efficiency**, producing reliable results.

Key Publication:

1. Hannus, M., et al. (2014) siPools: highly complex but accurately defined siRNA pools eliminate off-target effects. *Nucleic Acids Res* 42(12): 8049–8061.