

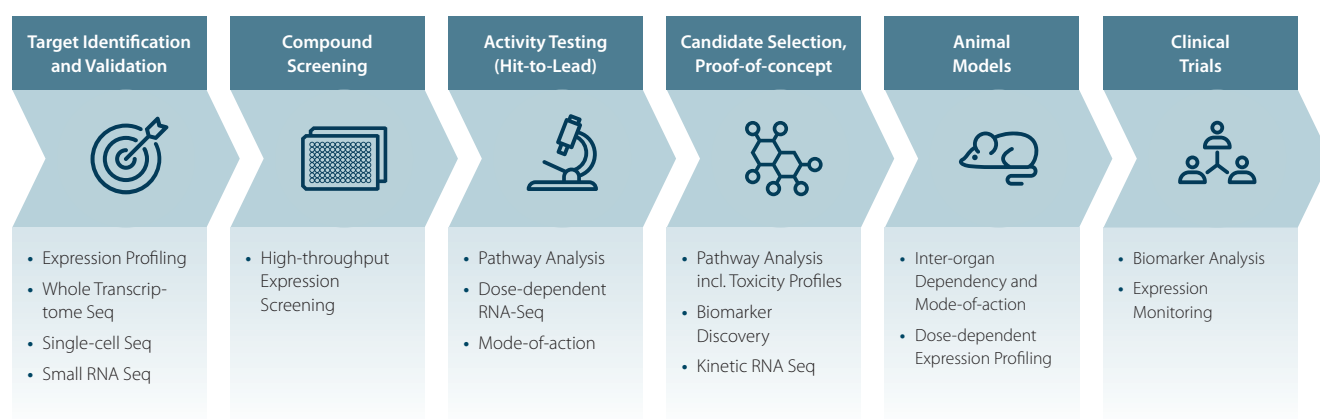
Lexogen NGS Services

Trusted NGS Development Partner for Drug Discovery



Facilitating Discoveries with Streamlined RNA-Seq Workflows & Tailored NGS Services

We empower the pharmaceutical and biotech industries with **customizable sequencing services** and **tailored bioinformatics solutions** and enable **complete adoption of end-to-end RNA-Seq workflows** to expedite drug discovery. RNA sequencing has revolutionized drug development, providing **unprecedented insights into gene expression, disease mechanisms, and drug responses**. Streamline your processes with seamless support by Lexogen NGS Services.



What makes us stand out?

Innovation	We develop cutting-edge chemistries & use our proprietary RNA-Seq technologies in Services.
Customization	We tailor our workflows & pipelines specifically to project requirements for maximized output.
Expertise	We are well-established in the RNA-Seq market & trusted by scientists worldwide.
Strong Partner	We cultivate sustainable collaborations with small to large pharma & foster mutual growth.
Scalability	We are involved in projects ranging from a handful to 100,000s of samples.
Confidentiality	We strictly operate under highest data protection standards for ubiquitous data security.

Lexogen NGS Service Offering Exactly Matching your Needs

Our mission is to deliver the best data possible. Leveraging 17+ years of experience in RNA biology and next generation sequencing, we provide **first-class RNA sequencing and bioinformatics services** including:

- ✓ Expert consultation & experimental design
- ✓ End-to-end services from RNA extraction to data analysis
- ✓ Workflow verification with representative pilot experiments
- ✓ SOP generation & smooth transfer to your facility
- ✓ Independent workflow review & optimization advice
- ✓ Sequencing platforms from Illumina & Element Biosciences
- ✓ Pipeline development & secure transfer
- ✓ Proof-of-concept data analysis
- ✓ Expedited services



A Track Record of our Drug Discovery Milestones

At Lexogen, we successfully realize services projects throughout the development process and have contributed to the advancements of numerous promising therapies. Some exemplary case studies of our greatest achievements:

Early Drug Discovery

- Target identification & validation on **FFPE samples** or mammalian **cell lines**
- Disease-associated pathway identification using **SLAMseq**

Lead Discovery

- High-throughput Pathway Analysis in various cancer models
- Dose-response studies & pathway associations using **dose-dependent RNA-Seq**
- Transcript-wide evaluation of siRNA validity in **RNA therapeutics**
- RNA structural analysis (**Shape-Seq**) on full-length RNA and small RNA

Pre-clinical Studies

- Identifying primary and secondary drug targets by **Kinetic RNA-Seq** & pathway activation sequence
- **Biomarker discovery**, e.g., of small RNAs in extracellular vesicles (EVs)

Clinical Trials

- **Immune Profiling** of PBMCs by BCR/TCR-Seq with integrated V(D)J for TCR clonotypes

Post-market Research

- **Drug repurposing** and combinational therapeutics expression profiling
- *In silico* drug repurposing using **AI models**



“ Throughout my career, leading genomic projects and departments, I have always been a fan of Lexogen chemistry. When I finally decided to co-found a genomics company, I was delighted to hear that Lexogen had a services arm, and signed up immediately. We work with extremely challenging samples, from biobanked FFPEs to micro-organ samples. At every step Lexogen has worked closely with us, even helping to optimise our protocols, to ensure the best possible results. ”

Dr. Quin Wills, Co-founder and CSO, Ochre Bio

Interested?

Consult with Lexogen
via sales@lexogen.com
or scan the code:

