

Job Description - **Lead Scientist**

Humane Genomics, New York



Humane Genomics is an artificial virus platform. We make cancer therapeutics with unprecedented specificity and efficiency. Our first indications are liver cancer, bone cancer, and lung cancer. We are based in New York City and backed by amazing investors.

About the role

As a Lead Scientist, you'll use your extensive knowledge and experience in biotechnology and genome engineering to design, build, and test synthetic oncolytic virus therapies. Focus areas include viral tropism and glycoprotein engineering, drug delivery, and manufacturability. You will play a key role in the development and success of Humane Genomics' virus engineering platform, and addressing key challenges in the field of oncolytic virotherapy.

Responsibilities

- Provide technical expertise and support on virus construction and rescue.
- Develop experimental workflows to determine efficacy and safety of oncolytic viruses.
- Collect data, analyze results, and provide insight on complex molecular mechanisms and cancer pathways.
- Organize and effectively communicate results with team and external groups.

About you

- PhD in biology, bioengineering, biotechnology, virology, or a related field.
- 5+ years of research experience in academia or industry lab setting.
- Proficiency in mammalian cell culture and cell-based assays.
- Experience with genome design software (e.g. snapgene, benchling) and assembly methods (e.g. golden gate, gibson).
- Experience with bioprocesses and viral manufacturing is a plus.
- Highly analytical and forward thinking with strong problem solving skills.