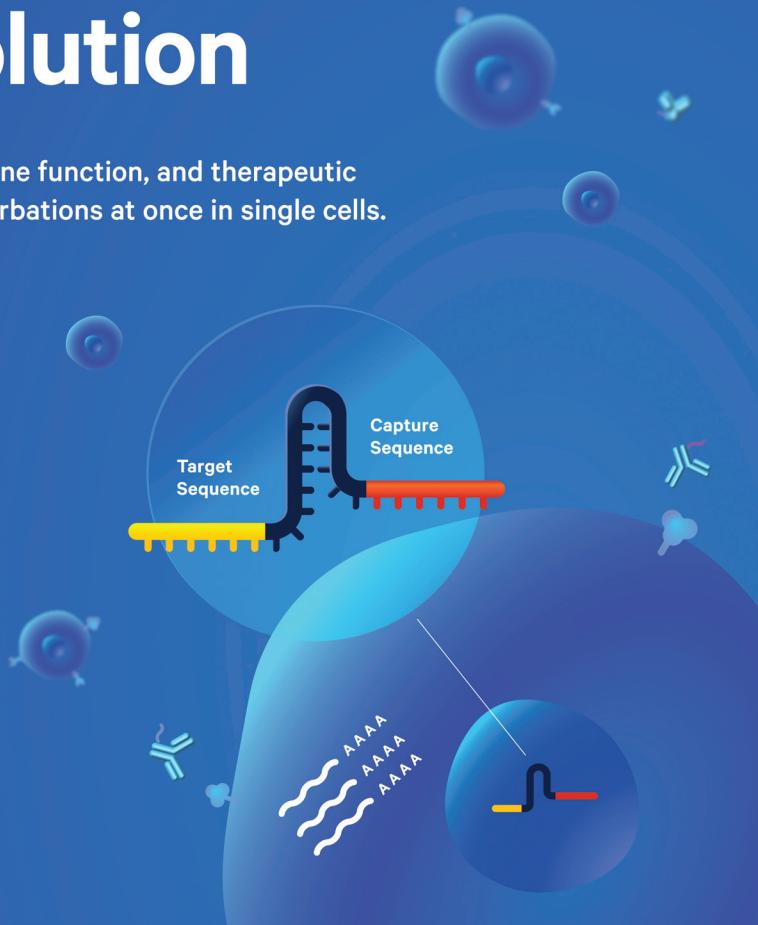


# Functional genomics at single cell resolution

Study the complexity of development, disease, gene function, and therapeutic response by analyzing tens to thousands of perturbations at once in single cells.

With Chromium Single Cell CRISPR Screening from 10x Genomics, researchers can:

- Directly link CRISPR perturbations to multiomic single cell phenotypes, including gene and cell surface protein expression
- Scale functional genomics screens with a streamlined, high-throughput single cell CRISPR screening workflow
- Generate detailed, high-content data, offering deeper insights in about half the time required for a pooled screen

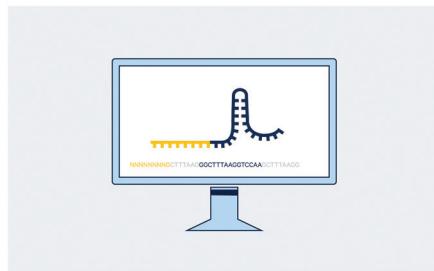


Discover what you can do at  
[10xgen.com/crispr-csli](http://10xgen.com/crispr-csli)

# Bringing scale and single cell resolution to functional CRISPR screens

With Chromium Single Cell CRISPR Screening from 10x Genomics, researchers can profile thousands of different CRISPR perturbations and detect single-guide RNAs (sgRNAs) with directly linked gene expression phenotypes at single cell resolution. This comprehensive approach empowers researchers to explore the complete transcriptomic effects of genetic perturbations with greater throughput, experimental efficiency, and resolution than bulk CRISPR screening or individual knockouts.

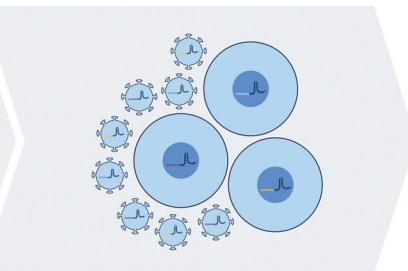
## Design your CRISPR library



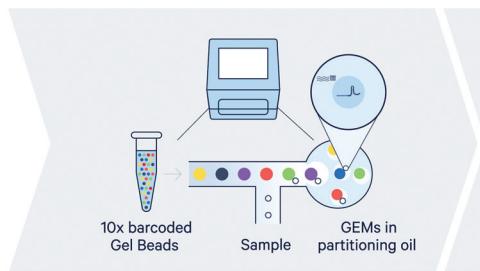
## Assemble lentivirus



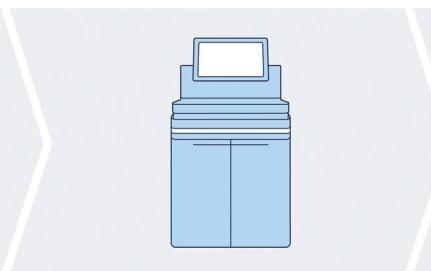
## Infect and select your cells



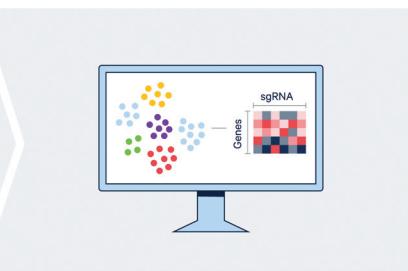
## Construct your 10x Genomics libraries



## Sequence libraries



## Discover new insights



## Learn more

Scan the QR code for the Chromium Single Cell CRISPR Screening product sheet

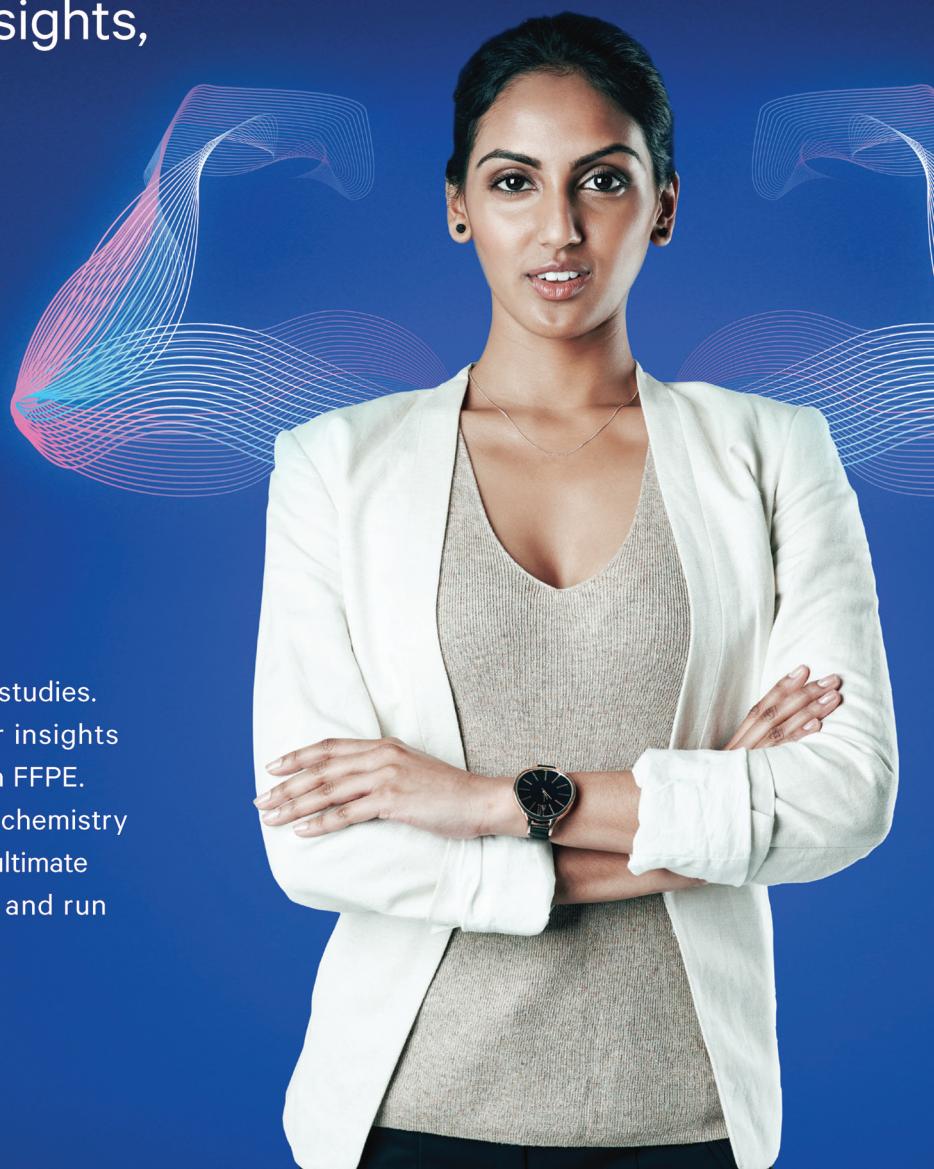
**10X**  
GENOMICS

Chromium Gene Expression Flex

# Flex your single cell muscle

More samples, more insights,  
more savings

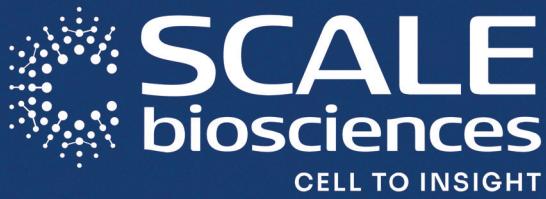
Change what's possible for your single cell studies. Flex allows you to uncover critical cellular insights from fresh, frozen, and fixed samples—even FFPE. Put research on your terms, with advanced chemistry that reduces your spend while providing the ultimate workflow flexibility, letting you fix, batch, and run samples on your own schedule.



Learn how:

[10xgen.com/flex-cshl](https://10xgen.com/flex-cshl)

**10X**  
GENOMICS



# Discover Single Cell Biology at SCALE.



At ScaleBio, our single-cell profiling and analysis solutions based on combinatorial indexing enable increased throughput for larger, more complex studies.

Learn more at [www.scale.bio](http://www.scale.bio)



Doing science  
doesn't  
have to be  
wasteful.

# TipOne®

From our eco-friendly product design to our innovative manufacturing practices, we're committed to reducing our environmental impact. As your partners in how you do your work, together we can drive sustainability.

TipOne pipette tips are at the forefront of our sustainability efforts:

- TipOne cassettes and racks\* are now made with partially recycled materials
- Their innovative refill design for standard and filter tips saves money, counter space, and packaging plastic
- Production facility is powered by 100% wind energy
- Tips are ACT® Label certified
- Racks, cassettes, and wafers are recyclable

By seamlessly integrating these eco-friendly features, we continue to develop a greener product without compromising the exceptional quality of our 100% virgin polypropylene pipette tips.



To discover more about TipOne and our sustainability efforts, visit [usascientific.com/TipOne-impact](http://usascientific.com/TipOne-impact)

\*Racks coming soon!



**USA**  
SCIENTIFIC  
SIDE BY SCIENCE



# DNA METHYLATION CONTROLS

## Keep Your DNA Methylation Experiments in Control

### AVAILABLE CONTROLS

- High or Low Methylated DNA
- Methylation Calibration Standards
- Human, Mouse, Rat, Monkey, and Custom-Made Controls



### DNA METHYLATION ANALYSIS

#### Targeted Bisulfite NGS (tNGBS)

- Single base-pair resolution
- Provide  $\beta$ -value methylation results
- High coverage with average  $>500x$  and a minimum 100x

#### Pyrosequencing Methylation Analysis

- Quantitative, accurate, and cost-effective



### DNA METHYLATION ASSAY KITS

#### Line-1 Global Methylation Assay

- Represents  $\sim 17\%$  of the human genome
- Serves as global methylation markers
- Compatible: MS-HRM, tNGBS, and Pyrosequencing

#### Foxp3 Methylation Assay Panels

- Quantify methylation levels in Treg signature genes, including Foxp3, CTLA4, IL2RA (CD25)
- Compatible: MS-HRM, tNGBS, and Pyrosequencing

## GET IN TOUCH

800.941.6884 508.497.9400

info@epigendx.com

labs.epigendx.com

96 South Street  
Hopkinton, MA 01748

## 15+ YEARS

Focused on disease biomarker discovery, validation and molecular diagnosis, trust in EpigenDx for your next research project.



#22D2079826

SOLUTIONS FOR EPIGENETICS RESEARCH



We have had the privilege of supporting  
renowned researchers from almost 60  
countries, delivering exceptional service.

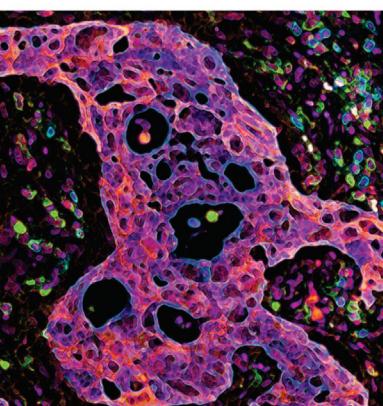
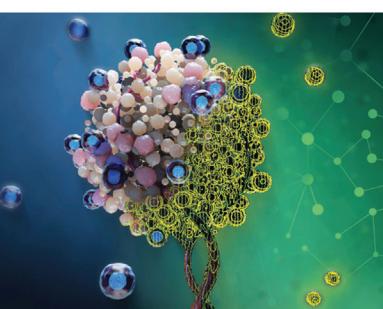
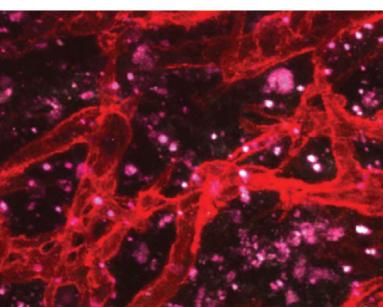
Thousands of papers have been published  
in the world's top academic journals

**sbs** 赛百盛  
SBS Genetech Co., Ltd.

Explore Today

At the forefront of providing Life Science  
solutions since 2000

[www.sbsgenetech.com](http://www.sbsgenetech.com)



**AACR** American Association  
for Cancer Research®

# 2023 SCIENTIFIC CONFERENCES

Presenting the most significant research on cancer etiology, prevention, diagnosis, and treatment

## Advances in Kidney Cancer Research

**June 24-27, 2023 | Austin, TX**

Conference Cochairs: Othon Iliopoulos, M. Celeste Simon, Cheryl Lyn Walker, and Qing Zhang

## Second JCA-AACR Precision Cancer Medicine International Conference

**June 28-30, 2023 | Kyoto, Japan**

Conference Cochairs: Hiroyoshi Nishikawa and Charles Swanton

## AACR-AHNS Head and Neck Cancer Conference: Innovating through Basic, Clinical, and Translational Research

**July 7-8, 2023 | Montréal, QC, Canada**

Conference Cochairs: Joseph A. Califano, Maura L. Gillison, Sana D. Karam, and Jose P. Zevallos

## Molecular Biology in Clinical Oncology Workshop

**July 16-22, 2023 | San Diego, CA**

Workshop Director: Ross L. Levine  
Workshop Codirectors: Christine M. Lovly and Jean Y. Tang

## ASCO/AACR Methods in Clinical Cancer Research Workshop

**July 23-29, 2023 | La Jolla, California**

Workshop Codirectors: Manuel Hidalgo, Julie M. Vose and Thomas M. Braun

## CRI-ENCI-AACR Seventh International Cancer Immunotherapy Conference: Translating Science Into Survival

**September 20-23, 2023 | Milano, Italy**

Conference Cochairs: Pier Francesco Ferrucci, Christoph Huber, Padmanee Sharma, and Arlene H. Sharpe

## Pancreatic Cancer

**September 27-30, 2023 | Boston, MA**

Conference Cochairs: Christine A. Iacobuzio-Donahue, Anirban Maitra, Rosalie C. Sears and Jen Jen Yeh

## The Science of Cancer Health Disparities in Racial/Ethnic Minorities and the Medically Underserved

**September 29-October 2, 2023 | Orlando, FL**

Conference Cochairs: Ronny A. Bell, Gloria D. Coronado, Sophia H. L. George, Augusto C. Ochoa, Renee Reams, and Tiffany A. Wallace

## Tumor Immunology and Immunotherapy

**October 1-4, 2023 | Toronto, ON, Canada**

Conference Cochairs: Philip D. Greenberg, Pamela S. Ohashi, Andrea Schietinger, and Mario Sznol

## Ovarian Cancer

**October 5 - 7, 2023 | Boston, MA**

Conference Cochairs: Frances R. Balkwill, Benjamin G. Neel, Kunle Odunsi and Elizabeth M. Swisher

## AACR-NCI-EORTC International Conference on Molecular Targets and Cancer Therapeutics

**October 11-15, 2023 | Boston, MA**

Conference Cochairs: Timothy A. Yap, Tim F. Greten and E.G. Elisabeth de Vries

## AACR-KCA Joint Conference on Precision Medicine in Cancer

**November 15-17, 2023 | Seoul, South Korea**

Conference Cochairs: Tae Min Kim and Elaine R. Mardis

Learn more and register at  
[AACR.org/Calendar](http://AACR.org/Calendar)

Follow us @AACR

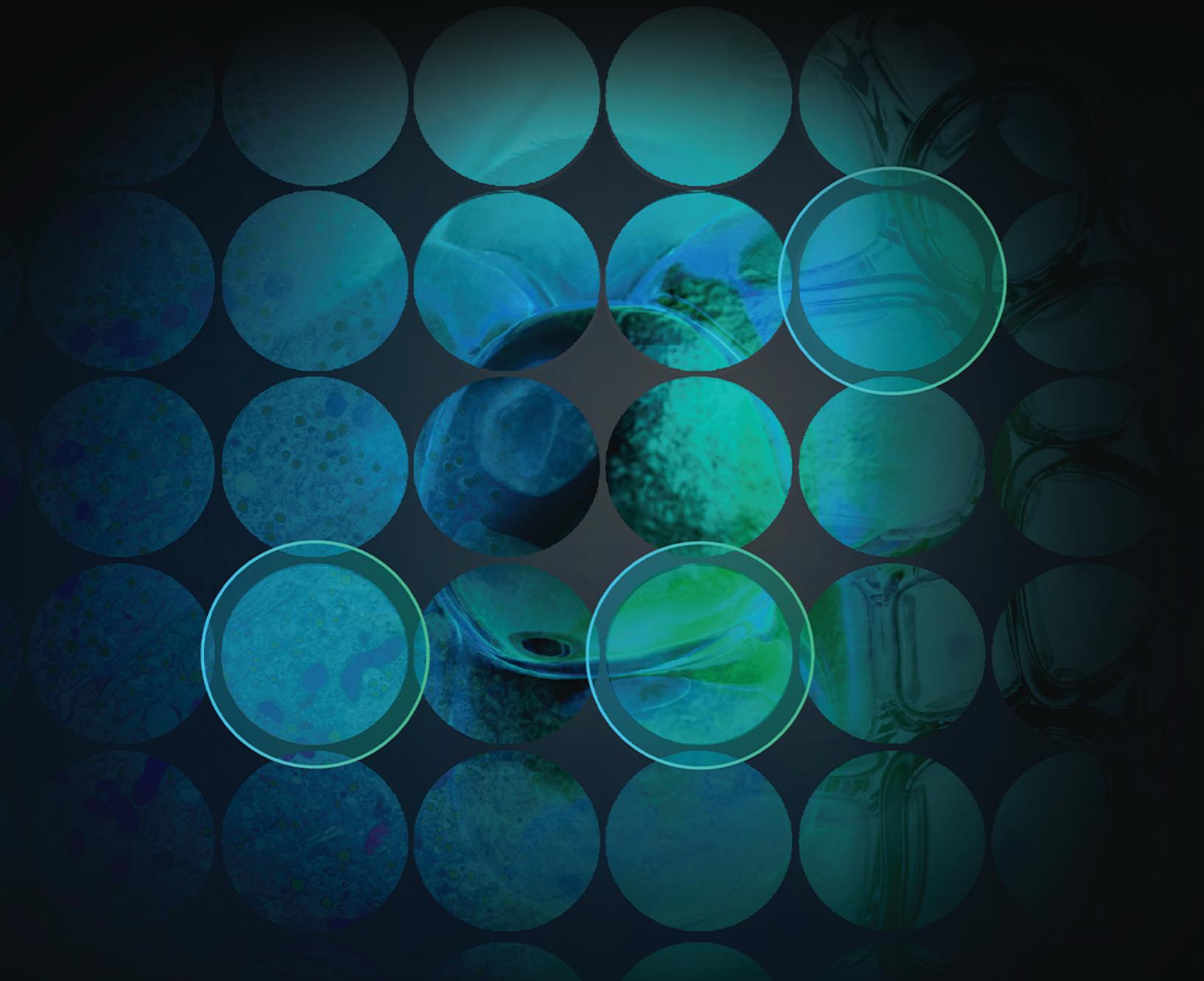




# Target Discovery Starts with Certainty

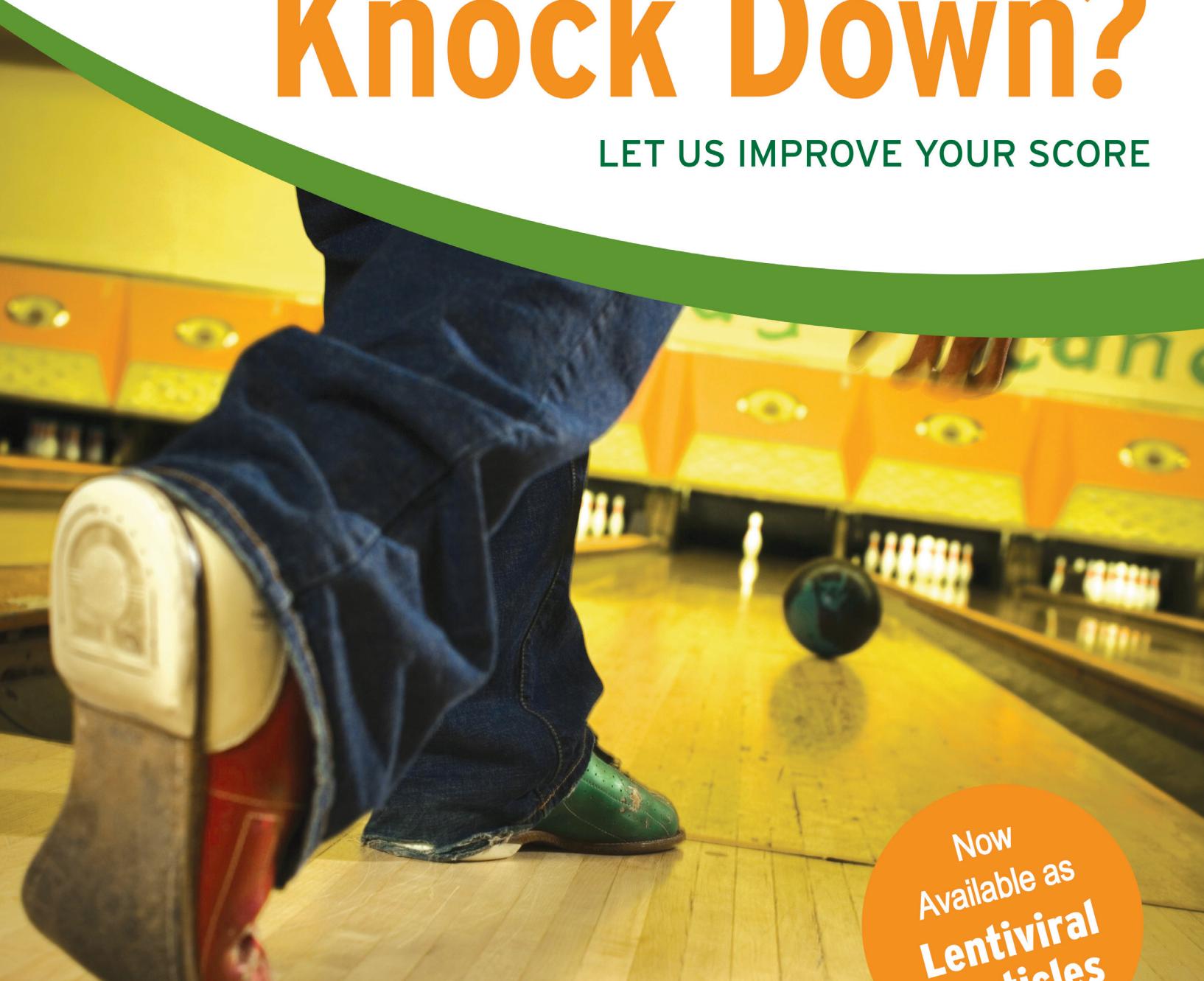
Validate Drug Targets with Speed and Confidence  
with Synthego's Engineered Cell Libraries

[synthego.com/cshl-cell-libraries](https://synthego.com/cshl-cell-libraries)



# Looking for that Perfect Knock Down?

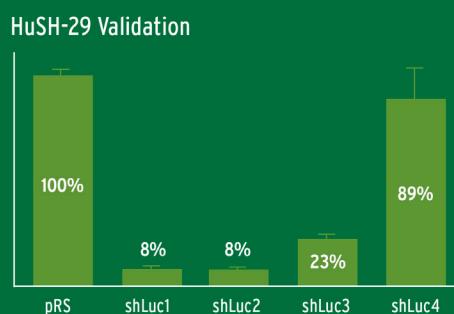
LET US IMPROVE YOUR SCORE



Now  
Available as  
Lentiviral  
Particles

## HuSH-29™ shRNA Expression Plasmids

- Up to 100 times more efficient than 21mer
- Reduced off-target effects
- Purified plasmid at no extra cost
- Four sequence verified constructs per gene
- Performance guaranteed



A reporter construct expressing luciferase was co-transfected into HEK293 cells with 4 HuSH-29 luciferase constructs or empty pRS vector control. Forty-eight hours post-transfection, the cells were examined for gene expression knockdown.

 **ORIGENE**  
Your Gene Company

1-888-267-4436 • [origene.com](http://origene.com)