

I. Introduction

NYU Langone Health's High Throughput Biology Laboratory is a user-based screening facility that assists and supports users through all stages of screening, automation, and assay development.

What is High Throughput Screening (HTS)? Combining robotics, powerful data processing and control software, liquid handling instruments, and sensitive detectors, HTS allows researchers to conduct thousands of chemical and/or genetic experiments more rapidly compared to traditional chemical and genetic screening methods.

II. HTB Lab Staff

Dr. Chi Yun

Director

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Rebecca Lee

Research Associate

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Dr. David Kahler

Research Scientist

david.kahler@nyumc.org

Core staff general email: #htb@nyumc.org

III. Location and Contact info

NYU Langone Health
Skirball 3-7
540 First Avenue
New York, NY 10016

Office Phone: 212-263-9080

Lab Phone: 212-263-7928

Facility hours: Monday through Friday from 10 am to 5 pm. For access outside of these times, please contact Chi Yun.

IV. How the HTB Lab Operates

a. What the core provides:

- Test and Library plates for screeners
- Hands-on training on relevant equipment
- Assistance with assay optimization, data analysis/visualization, technical issues and troubleshooting
- Full service experimental support

b. What users are responsible for providing:

i. Tubing for the Wellmate liquid dispenser (Some tubing is available for all users and can also be purchased for individual use)

ii. Disposable reagents and materials such as:

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|-------------------------|---------------------|
| 1. Cells and media | 5. Pipettes |
| 2. Buffers such as PBS | 6. Serological Tips |
| 3. Transfection reagent | 7. Falcon Tubes |
| 4. Pipette Tips | 8. Plate Seals |

***Some consumables and reagents are available through the Core and are billed with a surcharge.

c. Storage of reagents and consumables:

i. Users are responsible for the proper storage of their reagents and consumables. The facility does not take responsibility for improperly stored reagents and consumables.

V. How Much Does All This Cost?

a. Equipment Only users are billed for:

- i. Hourly usage of equipment.
- ii. Additional training and consultations if required.

b. Consumables and reagents are the responsibility of the users:

i. Some reagents and consumables (i.e. control siRNAs, dual glo luciferase, some transfection reagents, and additional wellmate tubings) can be purchased through the facility, but will be billed with surcharge.

c. Full service projects should be discussed with HTB staff and quotes can be generated based on experimental details.

VI. Equipment Policies

a. Note that **at least 24 hours' notice is required for equipment signup**. reservations with less than 24 hours' notice can only be scheduled by HTB staff and will result in a late reservation fee of \$15.

b. Equipment reservations will be cancelled 30 minutes past reservation time with no guarantee of equipment/facility availability unless facility staff is contacted before the reservation time. User will be charged for the original reserved equipment time if core staff is not contacted prior to cancellation.

c. Repeated tardiness will result in suspension of access to the Core.

VII. Cleaning Up and Respecting the HTB Lab

a. Please respect other users of the facility by cleaning up after yourself, disposing of trash, emptying waste containers, washing vacuum lines, and leaving all equipment in good condition. After one warning, a clean-up fee will be charged.

b. Please notify staff immediately of any problems with equipment such as errors or spills or if any shared consumables are running low (i.e. glass pasteur pipets).