

# High Content Screening For therapeutics Discovery

2024 IPK Training course

**August 26 ~ 30, 2024**  
**@Institut Pasteur Korea**



## Overview

- The course provides a learning platform for those interested or working in chemical biology to interact and learn the best practices in setting up cell-based assays using automated microscopy, leading to the discovery of novel drugs.
- This course is open to a broader audience, from newcomers to seasoned research scientists familiar with the technology and those seeking unbiased approaches to HCS and its application, from small focused to large scale drug screens.

## Content

- Designing & establishing cell-based assays for screening
- High Content Assay: instrumentation and assay development
- Designing & setting up complex phenotypic assays
- Automated microscopy image processing and analysis
- High content screening data analysis

※ Courses Content, Lectures & Discussion will be in English

## Teaching Team

The course will be taught by an expert panel composed of:

- Faculty members from Institut Pasteur Korea  
Regis Grailhe (Head of Technology Development Platform), David Shum (Head of Screening Discovery Platform), Inhee Choi (Head of Medicinal Chemistry), Haengran Seo (Head of Advanced BioMedical Lab), Euiho Kim (Viral Immunology Lab)
- Invited speakers from the Pasteur Network
- Application scientists from global companies

## Who?

Researchers or students who plan to use High Content Screening (HCS) technology, implement screening capacity in their research center, optimize phenotypic assays, perform image mining and multi-parametric data analysis. *Minimum Requirement: Bachelor Degree*

## Number of Participants

20 students from Korea and abroad (minimum of 6 spots reserved for Pasteur network members)

## Costs & Support

- 1) Free Registration (Lunch offered)
- 2) Travel expenses and accommodation fees will be supported for Pasteur Network members who are selected through the Pasteur Network Application Call

## Application Deadline



Pasteur Network Applicants: **May 31, 2024**  
General Applicants: **June 21, 2024**

## Results Announcement



Pasteur Network Applicants: **June 17, 2024**  
General Applicants: **July 3, 2024**

**Candidates** are invited to download the application form from the Course Call page(QR Code) and send it by email to [ipk-course@ip-korea.org](mailto:ipk-course@ip-korea.org)

Inquires: [ipk-course@ip-korea.org](mailto:ipk-course@ip-korea.org) | 031-8018-8049



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