

# Infection (1/2)



(Revised August 7, 2025)

A cure for HIV and HBV that replaces chronic treatment	<ul style="list-style-type: none"><li>● How to make a cure possible and how to confirm it</li></ul>
LAI (Long-acting injectables) and LAO (Long-acting orals) drug discovery	<ul style="list-style-type: none"><li>● New fundamental technology</li><li>● Evaluation method</li><li>● Long-acting injectable/oral drug</li></ul>
Nucleic acid analog drug discovery research	<ul style="list-style-type: none"><li>● Mechanism analysis method</li><li>● Co-crystal structure analysis method</li><li>● Ames avoidance measures and prediction tools in nucleic acid analog drug discovery</li></ul>
Non-tuberculous mycobacterial infection	<ul style="list-style-type: none"><li>● Target functions/molecules and novel modalities to control infectious diseases</li><li>● Rapid screening technologies for drug candidates</li><li>● Non-clinical evaluation systems with strong clinical translatability</li><li>● Rapid diagnostics for pathogens and drug susceptibility</li><li>● Methods for monitoring infection status</li><li>● Establishment of methods to prevent recurrence (relapse/reinfection)</li><li>● Diagnostic method that can determine early termination of treatment</li><li>● Search for indicators that allow patients to feel the effects</li><li>● NTM evaluation system with faster in-vivo testing and better clinical extrapolation</li></ul>
Drug discovery for pandemics caused by RNA viruses	<ul style="list-style-type: none"><li>● Broad-spectrum targets and molecules against RNA viruses</li></ul>

# Infection (2/2)



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Intractable microbial infections	<ul style="list-style-type: none"><li>● Target functions/molecules and novel modalities to control infectious diseases</li><li>● Rapid screening technologies for drug candidates</li><li>● Non-clinical evaluation systems with strong clinical translatability</li><li>● Rapid diagnostics for pathogens and drug susceptibility</li><li>● Methods for monitoring infection status</li><li>● Innovative manufacturing technologies</li></ul>
Respiratory diseases	<ul style="list-style-type: none"><li>● Restore/improve functions of degraded M<math>\Phi</math> and T cells</li><li>● Targets and assets aimed at restoring tissue and improving respiratory function</li><li>● Senescent Cell-Targeted Drug Discovery<ul style="list-style-type: none"><li>- Safe removal assets</li><li>- Discovery ideas</li><li>- Technical infrastructure for evaluation</li></ul></li></ul>
Research on host response to infectious diseases	<ul style="list-style-type: none"><li>● Treatments to prevent the severity and death of acute respiratory viral infections<ul style="list-style-type: none"><li>- Intervention methods</li><li>- Drug discovery targets</li><li>- Evaluation techniques</li></ul></li><li>● Targets and compounds for immune modulation to improve severity or cure chronic infections</li></ul>