

Achieving ultimate genome editing performance with smarter engineering

Principal Investigator: Prof. Alan S. L. Wong

Technology

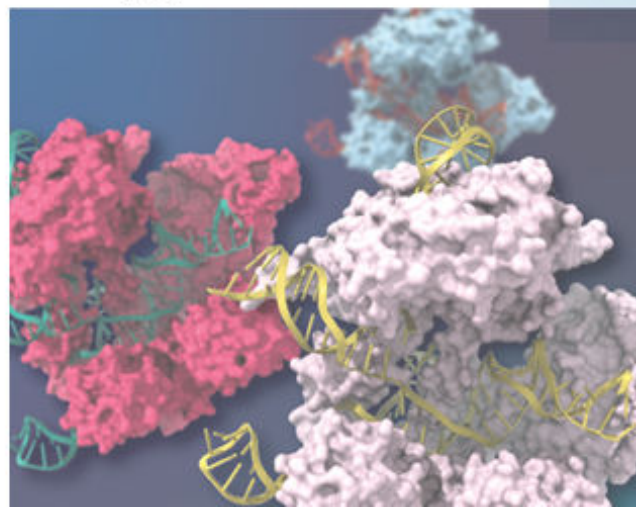
CRISPR-based genome editing technology offers new strategies to tackle many previously incurable diseases. We provide artificial intelligence-guided protein engineering solutions to create and customize highly specific and efficient CRISPR editors for editing applications.

Opportunities

Cost-effective solutions for customizing your desired genome editors

Key Advantages

- Cut cost by **>95%**
- Shorten R&D Time **from years to months/weeks**



Unique technology and engineering capabilities enable rapid development of desired CRISPR variants

Engineering proteins require a cost-effective approach to explore the vast combinatorial mutational space

CombiSEAL × AI

Experimental profiling

Our team has developed and validated a method to experimentally screen proteins with combinatorial mutations en masse. It is available for licensing, so you can perform your own screens

Machine learning

Our team has developed an artificial intelligence-assisted approach complementary to CombiSEAL to reduce wet-lab screening by >95%

Intellectual Property

- WO2020057481A1, US20230193251A1, EP3853363A1, CN112955549A, JP2022501025A, KR20210060541A... (2019); granted in CN and JP as of Aug 2025.

Contact

 : infottu@hku.hk



**HKU
Med**

LKS Faculty of Medicine
The University of Hong Kong
香港大學李嘉誠醫學院