

FY2023 RESULTS

March 28, 2024

HBM HOLDINGS-B 2142-HK



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Agenda



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Jingsong Wang MD PhD

Harbour Therapeutics:
Efficient and Synergized Pipeline Advancement

Xiaolu Tao PhD / Yiping Rong PhD

Nona Biosciences:
Strong Growth Empowered by Innovation

NONE
BIOSCIENCE

Yun He PhD

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Youchen Chen MBA

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Sizable and Remarkable Net Profits Achieved

Lisa Tong EMBA

Outlook:
Advance Technology Innovation and
Continue to Focus on Unmet Medical Needs

Jingsong Wang MD PhD



HBM Holdings: Value Creation through Globalization and Sustainable Growth

Dr. Jingsong Wang

Founder, Chairman of the Board and Chief Executive Officer



HBM Holdings: Value Creation through Globalization and Sustainable Growth



HARBOUR

BIOMED

Sustainable Growth:

Focus on China with global perspective and steadily advance core pipeline assets



- Batoclimab (HBM9161)
- Porustobart (HBM4003)
- HBM9378 (TSLP)
- HBM1020 (B7H7/HHLA2)

5 drugs obtained IND approval:

- HBM1020
- HBM1007
- HBM1022
- HBM9027
- HBM9033

milestones from collaboration assets:

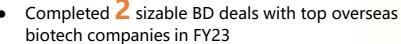
- HBM7022 AstraZeneca
- HBM7008 cullinan
- HBM9033 **Pfizer**
- 4 collaborations 《华華萬本樂





Globalization:

Leading Chinese Biotech Going Global; **Diversified Revenue Validates Business Model**



- HBM7008 (B7H4x4-1BB) cullinan US\$600m+
- HBM9033 (MSLN ADC) Pfizer US\$1bn+
- Harbour/Nona partners: 50% + from Top 10 **Global Biotech/Pharmas**

Remarkable results from Nona:

- Achieved net profits in FY23 1
- Quality revenue with orders mainly from **Top Global Biotech/Pharmas**





Sizable Net Profits Achieved for the First **Time with Robust Cash Reserve**

Achieved Net Profits for the First Time:

- FY23 total revenue: US\$89.5m (~RMB640m), +120% vs. FY22
- FY23 net profits: US\$22.76m (~RMB160m)

Value Creation:

- Group revenue from overseas >85%
- Robust Cash Reserve of ~US200m²





Harbour Therapeutics: Efficient and Synergized Pipeline Advancement





Dr. Xiaolu Tao

President of Harbour Therapeutics

Dr. Yiping RongExecutive Director,

Chief Scientific Officer

Harbour Therapeutics – FY23 Business Highlights

Clinical Stage Assets



- Batoclimab (HBM9161), gMG:
 - Completion of phase III clinical trial
 - Publication of Ph III study results in top medical journal JAMA Neurology
- **2** clinical data readouts for Porustobart (HBM4003)
- 2 clinical milestones
 - Completion of HBM9378 Ph I study
 - Conduction of HBM1020 Ph I study 📤
- 5 IND approvals from FDA
 - HBM1020, HBM1007, HBM1022, HBM9027, HBM9033

Collaboration Assets



- regional license-out to accelerate global R&D
- 5 preclinical collaboration assets/licenses advanced to clinical stage
 - AstraZeneca: HBM7022/AZD5863
 - Hualan Bio: HBM7020, HBM7015, HBM1029
 - NK CellTech: NK-010







Preclinical Stage Assets

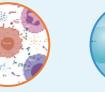


- Advancing global pipeline of highly differentiated next-gen therapeutics
- Strategically promote the R&D of **MULTIPLE** immune cell engager bispecifics



Direct Killing





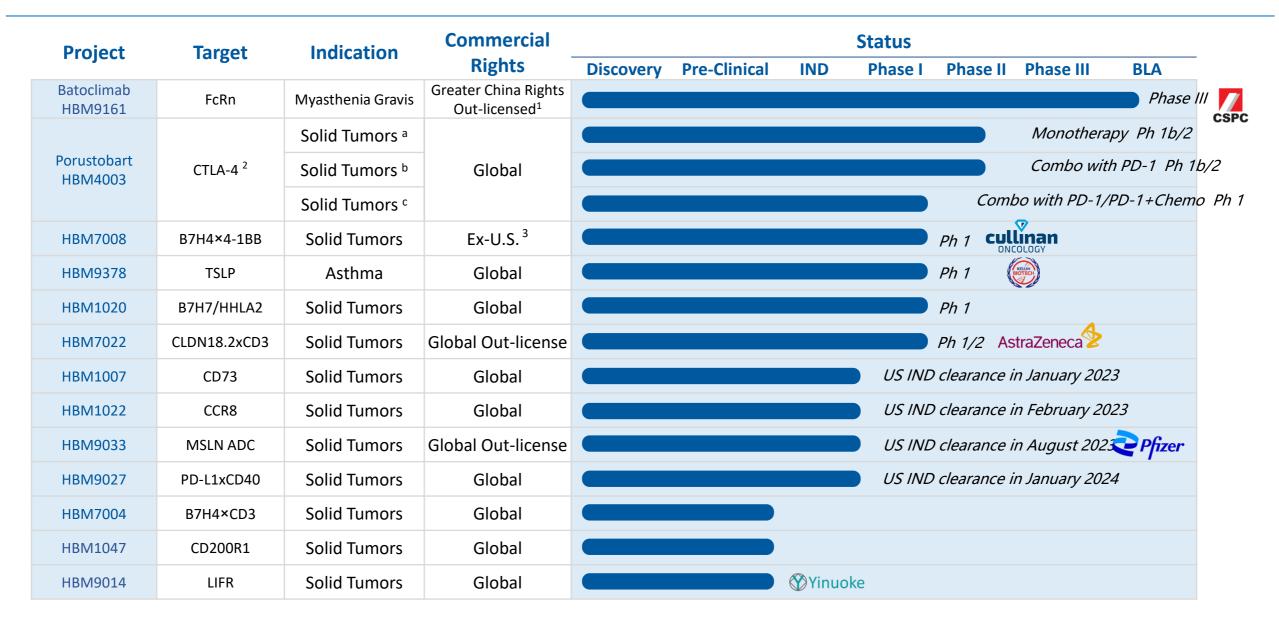
Stimulate Immune Cells

Overcome Immune Suppression

Focus on China with Global Perspective Rapidly Advance Next-Generation of Innovative Immunotherapy in Oncology



Highly Innovative and Differentiated Global Pipeline





^{1.} HBM in-license the Greater China Rights of HBM9161 from HanAll in 2017, and the rights is out-license to CSPC in Oct 2022

^{2.} HBM4003 is a next-gen anti-CTLA-4 antibody with enhanced ADCC for Treg depletion

^{3.} The U.S. rights of HBM7008 is out-licensed to Cullinan in Feb 2023

^{*} MG: Myasthenia Gravis; TED: Thyroid Eye Disease;

a. Melanoma, HCC, RCC and Other Advanced Solid Tumors

b. Melanoma, HCC, NEC/NET and Other Advanced Solid Tumors

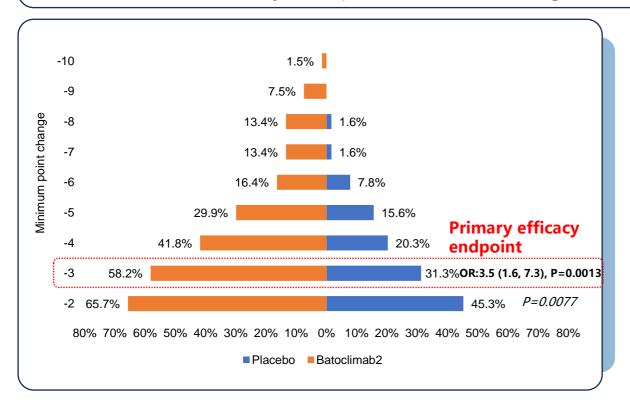
c. NSCLC and Other Advanced Solid Tumors

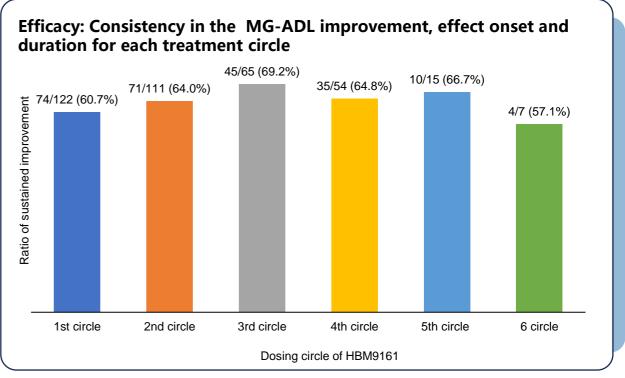




Highlights

- First and only innovative drug targeting FcRn that has completed phase I,II and III clinical trials in China
- First innovative drug for gMG that has been granted breakthrough therapy designation by CDE
- First and only innovative drug that has achieved outstanding phase III positive results in China gMG patients
- · First subcutaneous injection production for FcRn target in China, providing better convenience for gMG patients







Note: Sustained improvement was defined as a >=3-point reduction from baseline MG-ADL score from day 1 to day 64 that persisted for 4 weeks. The analysis of sustained improvement rates only included subjects who completed at least 6 visits between weeks 2 and 9 within each cycle



Ph III Study Results of Batoclimab (HBM9161) Published in Top Medical Journal – JAMA Neurology



JAMA Neurology (March 2024)

- Clinial Data demonstrate the efficacy and safety of Batoclimab in adult patients with generalized MG
- The MG-ADL score diverged between antibody-positive patient group and placebo group as early as week 2, suggesting Batoclimab is able to take effect quickly and improve symptoms
- The rate of sustained MG-ADL improvement in the first cycle in antibody-positive patients was 31.3% in placebo group vs 58.2% in the Batoclimab group, suggesting Batoclimab can significantly improve patient symptoms with sustainable therapeutic effects
- In the 1st treatment cycle, the proportion of patients in antibody-positive patient group reaching the mildest symptom manifestations was **25.4%**, much higher than the 4.7% in placebo group.

Research

JAMA Neurology | Original Investigation

Batoclimab vs Placebo for Generalized Myasthenia Gravis A Randomized Clinical Trial

Chong Yan, MD; Yaoxian Yue, MD; Yuzhou Guan, MD; Bitao Bu, MD; Qing Ke, MD; Ruisheng Duan, MD; Hui Deng, MD; Qun Xue, MD; Haishan Jiang, MD; Fei Xiao, MD; Huan Yang, MD; Ting Chang, MD; Zhangyu Zou, MD; Haifeng Li, MD; Song Tan, MD; Haibing Xiao, MD; Hongyu Zhou, MD; Hua Zhang, MD; Qiang Meng, MD; Wenyu Li, MD; Wei Li, MD; Junhong Guo, MD; Yali Zhang, MD; Zunbo Li, MD; Jianglong Tu, MD; Jianquan Shi, MD; Wei Li, MD; Michael Lee, PhD; Yu Chen, MD; Xiaolu Tao, PhD; Shuai Zhao, MS; Ping Li, MS; Chongbo Zhao, MD; for the Batoclimab Study Team

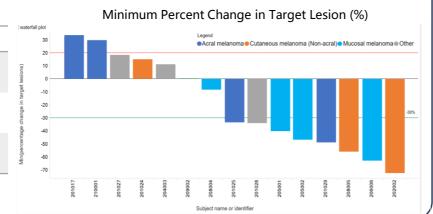


Porustobart (HBM4003) Clinical Benefit and Market Opportunities in Various Tumors

Robust efficacy observed for HBM4003 + Toripalimab in PD-1 naïve melanoma cohort

Best Overall Response by RECIST 1.1, N (%)

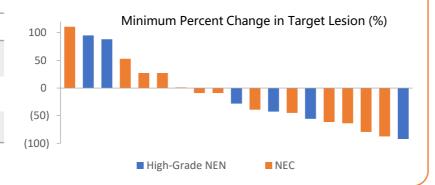
Pts with tumor assessments	15 (100%)
ORR (CR + PR)	5 (33.3%)
OCR (CR + PR +SD)	11 (73.3%)
Tumor reduction	9 (60.0%)



HBM4003 + Toripalimab elicited significant efficacy improvement in high-grade NENs patients

Best Overall Response by RECIST 1.1, N (%)

Pts with tumor assessments	19 (100%)
ORR (CR + PR)	7 (36.8%)
DCR (CR + PR +SD)	11 (57.9%)
Tumor reduction	12 (70.6%)



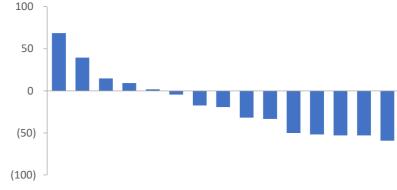
Excellent therapeutic potential observed for HBM4003 in patients with HCC

- HBM4003 monotherapy has demonstrated preliminary efficacy in late-stage liver cancer patients resistant to PD-1 treatment
 - √ 0.45mg/kg Q3W dose group: 1CR, 1PR
- HBM4003 in combo with Toripalimab has shown promising therapeutic efficacy in patients with HCC who have been treated with TKI

Best Overall Response by RECIST 1.1, N (%)

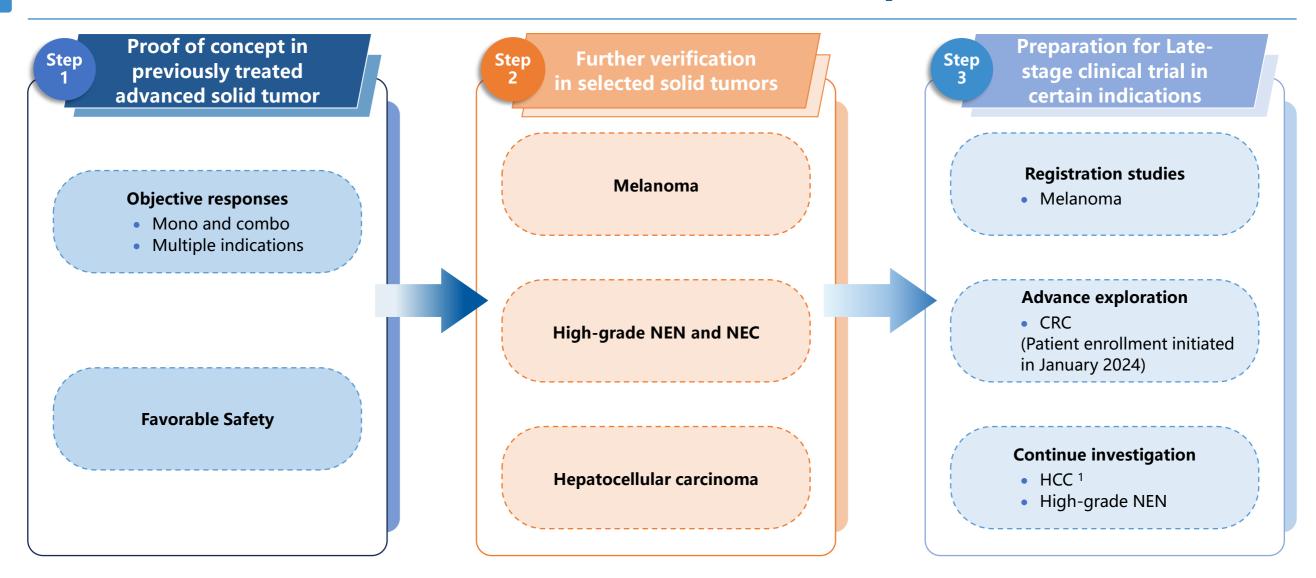
Best Overall Response, n(%)	RECIST 1.1	mRECIST
Pts with tumor assessments	15 (100%)	15 (100%)
ORR (CR + PR)	6 (40.0%)	6 (40.0%)
DCR (CR + PR +SD)	11 (73.3%)	10 (66.7%)
Tumor reduction	10 (66.7%)	10 (66.7%)

Minimum Percent Change in Target Lesion (%)





Porustobart (HBM4003) – Pivotal Trial Preparations







HBM1020 (B7H7/HHLA2)

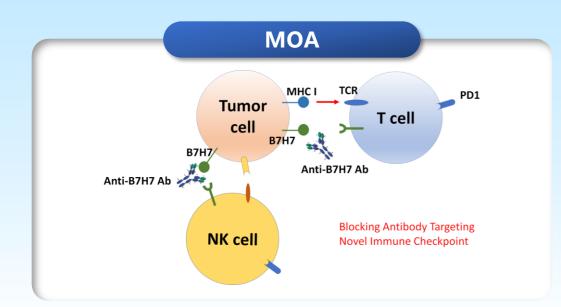
An Alternative Immune Escape Mechanism Beyond PD-L1



Highlights

- T cell and NK cell activation activity and excellent in vivo efficacy in humanized tumor models
- Widely Expressed in Various Solid Tumors & Reciprocal to the Expression of PD-L1
- Huge potential to treat PD-L1 negative or anti-PD1/PD-L1 refractory cancer patients
- HBM1020 is the first and only mAb entering clinical development worldwide
- Ph1 ongoing multiple patients dosed in collaboration with top-tier US cancer centers









Building The Technical Foundations on Immune Cell Engager Bispecifics

Partnerships based on Immune Cell Engager Bispecifics



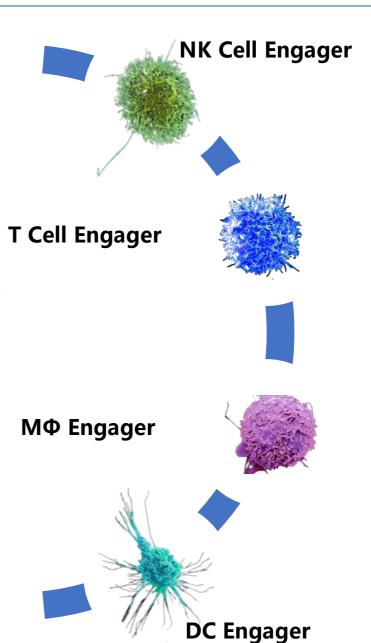


딹 **Dragonfly**





HBICE targeting four types of immune cells







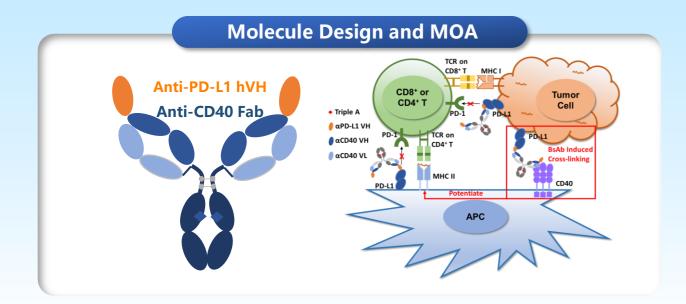
HBM9027 (PD-L1xCD40)

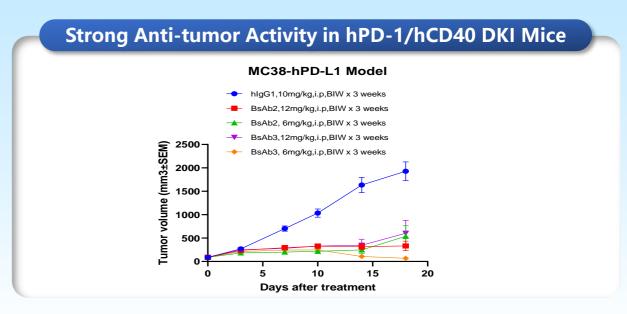
Innovative Bispecific Antibody Activating APC/T Cells



Highlights

- Synergistically activating both myeloid/DC cells and T cells is critical for some solid tumor therapy considering the most abundant myeloid cell population in TME
- Well maintained α PD-L1 arm and α CD40 arm function activity with robust developability using fully human symmetrical HBICE® format
- Encouraging in vivo efficacy superior to Tecentriq and safety profile is much better than Selicrelumab
- Obtained US IND approval in January 2024







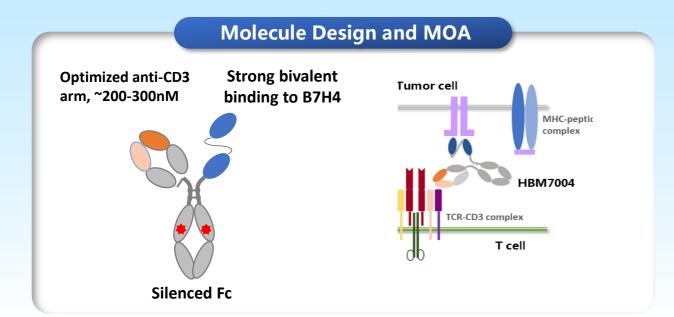


Unique "2+1" Asymmetric HBICE® Using Novel TAA and Safer Anti-CD3 Arm



Highlights

- HBICE® technology grants asymmetric structure but less light chain mispairings
- · TAA is mainly expressed in low PD-L1 tumors, particularly in gynecological cancers and squamous cell lung cancer
- Potentially combine with PD1 therapy or in-house HBM7008 to overcome T cell engager challenges in solid tumor



NCG/PBMC/MDA-MB-468 Model NCG/PBMC/MDA-MB-468 Model hlgG1, 0.5mg/kg, Candidate 1, 0.5mg/kg Candidate 2, 0.5mg/kg Candidate 2, 0.5mg/kg Candidate 2, 0.1mg/kg Days after tumor inoculation





Nona Biosciences: Strong Growth Empowered by Innovation

Dr. Yun He

Chief Technology Officer, Nona Biosciences



Nona Biosciences Empowers Global Therapeutic Innovation



Nona:

Roman Goddess Who Enables Others to Succeed

Our Mission

Leveraging industrial leading technology platforms, Nona Biosciences is committed to provide integrated discovery solutions for biotech and pharmaceutical companies from Idea to IND (I to I)

We value our promise, we embrace diversity

Leading Innovative Technology Platform

- The world's leading <u>fully human</u> antibody platform
- The <u>ONLY</u> open platform fullyprotected by global IP
- Fully validation by <u>~20 projects in</u> clinical stage
- Successful application in GCT, ADC, Al and other fields

Decades of Experience with MNC Endorsement

- Management experience from top MNCs
- Strong scientific background from top academics and industry
- Rich academic resources and MNC endorsement
- 70+ scientists with ample research and development experience in innovative medicine

Extensive Global Collaborations

moderna









>50

partners including MNC, biotech and academic institutions, forming a large innovative network



Nona's Technology Platform Contributes to the Rapid Business **Growth Achieved in FY23**

Platform-based Research Services

50+ partners

projects entered 30 +into clinical stage collaborations in progress

19+ \$ Dragonfly







Protein Engineering



Conjugation **Technology**



Delivery **Technology**



Cell Therapy Technology



Technology Licensing

- > US\$60m revenue
- ✓ Antibody depot is set up after 8 years of preparation
- ✓ Partnerships with top biotech / biopharmas

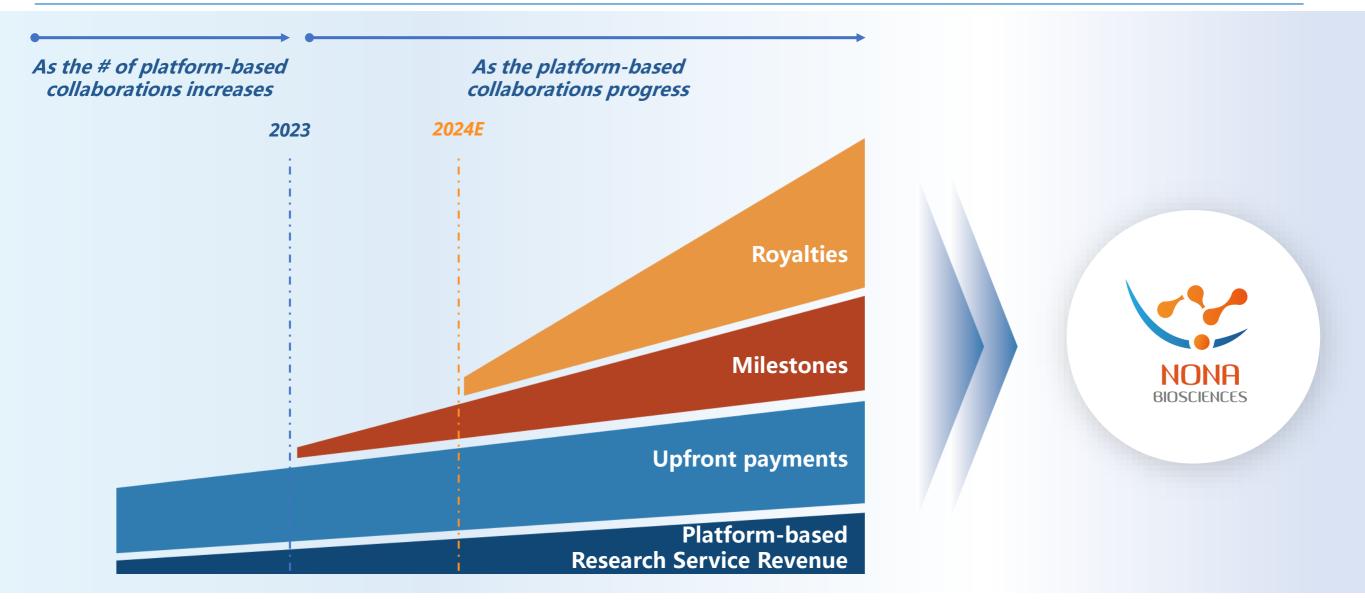


Focusing on 4 application areas.....

FY23 Witnesses the Commercialization of Nona with Sizable Profits



Nona's Unique Growth Model Based on Platform Technology





Harbour Mice®- New Generation of Fully Human Antibody Platforms

Radionuclide

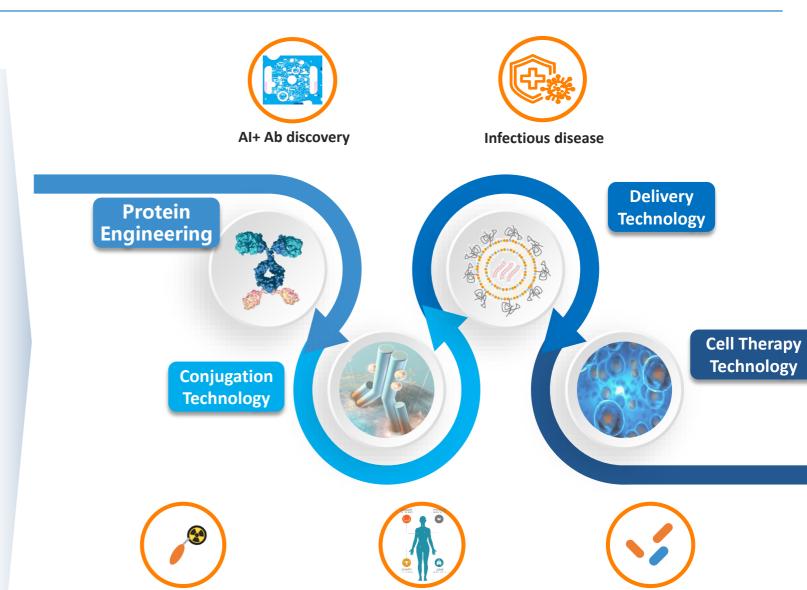
antibody

conjugates

Harbour Mice[®]
Fully Human Antibody Transgenic Mice



- Human
- Natural
- Optimized
- Validated



sdAb for

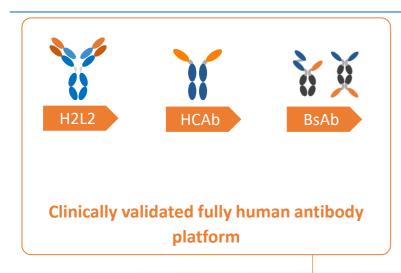
diagnostics

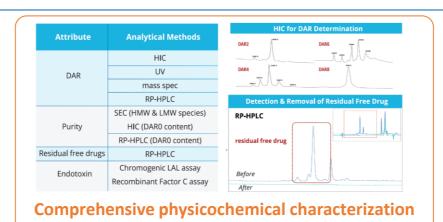


Novel sdAb-based

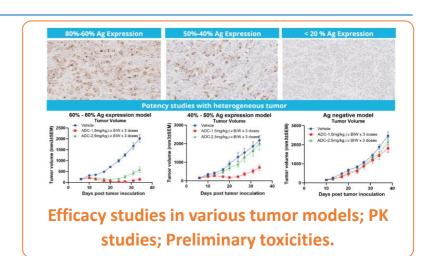
modalities

Extend Antibody Discovery Platform to Integrated ADC Discovery Platform





of ADC molecules



Target nomination

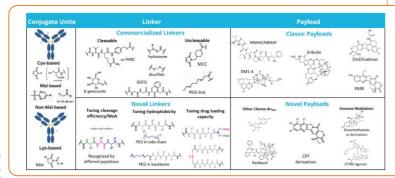
Antibody discovery

Bioconjugation

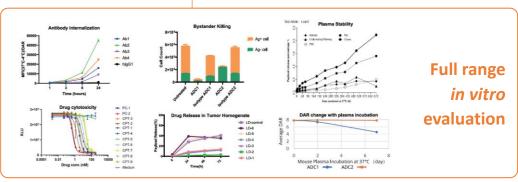
ADC characterization

In vitro
biological
characterization

In vivo
pharmacological
characterization



Extensive experience and a variety of established bioconjugation technologies



Explore Frontiers in ADC Field

Collaborate with global ADC experts to build ADC ecosystem

Unveil the advantages of bispecific / biparatopic ADC

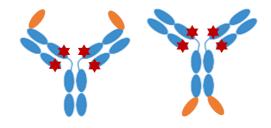
Application of HCAb in XDC for Diagnosis & Therapy











bsAb showed stronger internalization

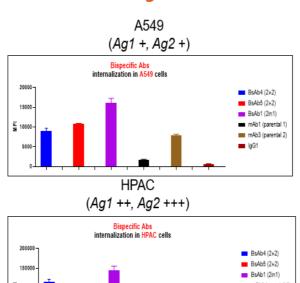


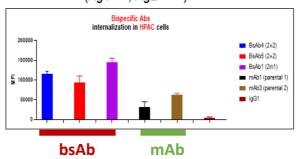
H2L2-ADC to MSLN

- ✓ fully human antibody with unique binding epitope
- ✓ Tumor specific cleavable linker with improved stability
- ✓ Superior in vivo potency and promising safety profile

US IND clearance in Aug 2023

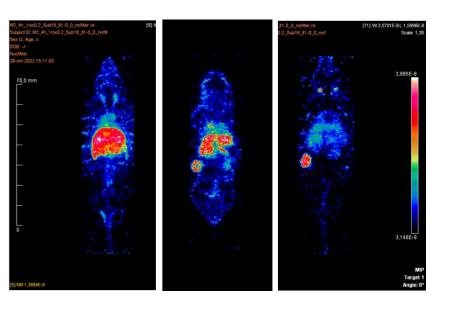






Radiolabeled anti-MSLN HCAb can quickly penetrate into tumors





Comprehensive Bispecific Antibody Discovery Workflow to Reinforce Industry-leading HBICE® Platform (HCAb Based Immune Cell Engagers)

bsAb Engineering & **Antibody Discovery bsAb Format Screening Candidate Selection** characterization **Functional activity Tumor inhibition** Antibody Production Ĕ 2000 5 1000 Ab Conc.(nM) Stress tests **Serum Stability** bsAb - 40°C 2W osAb - Freeze thaw → Day 7 bsAb - pH 3.5 Ab (nM)

HBICE® Platform Has Been Endorsed by Global Partners



HBM7022 (CLDN18.2×CD3)

Unique 2+1 format with better activity and potential larger therapeutic window.



1st Chinese bispecific antibody to "go global"



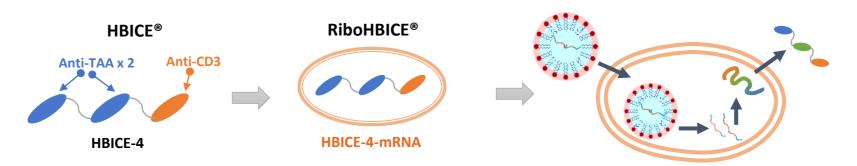
HBM7008 (B7H4×4-1BB)

First-in-class B7H4 ×4-1BB with excellent anti-tumor efficacy and safety profile.



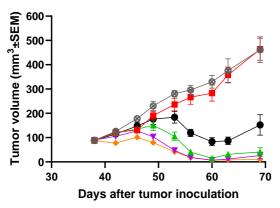


Combine mRNA & HBICE® Technologies to Create Next-Gen Therapeutics



RiboHBICE® demonstrates stronger tumor inhibition and longer duration

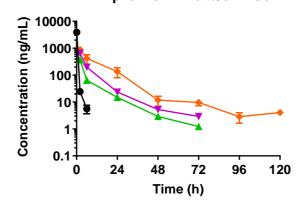
PBMC Humanized Tumor Model



- PBS, QWx3 doses
- Luc-mRNA, 2.5mg/kg, QWx3 doses
- → HBICE-4-mRNA, 0.5mg/kg, QWx3 doses
- → HBICE-4-mRNA, 1mg/kg, QWx3 doses
- → HBICE-4-mRNA, 2.5mg/kg, QWx3 doses
- HBICE-4, 0.5mg/kg, QWx3 doses

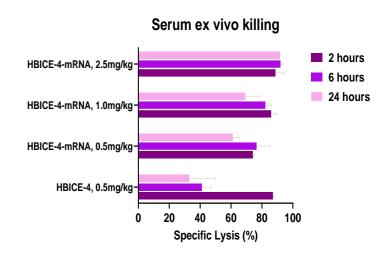
RiboHBICE® shows longer serum halflife than recombinant protein HBICE®

PK profile in Balb/c mice



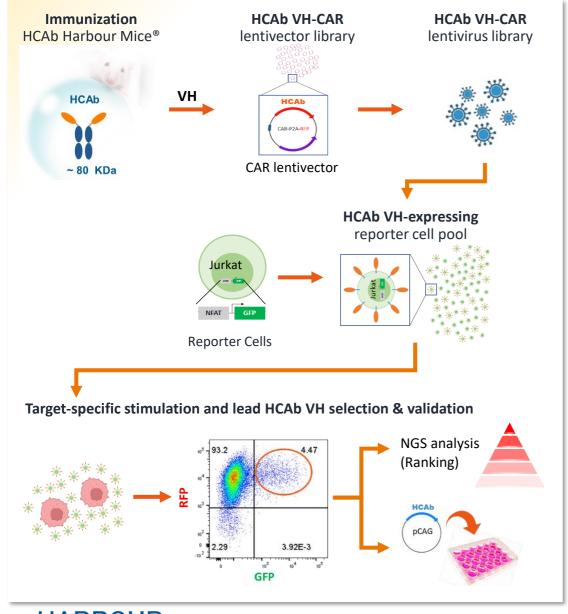
- → HBICE-4, 0.5 mg/kg
- ★ HBICE-4-mRNA, 0.5 mg/kg
- → HBICE-4-mRNA, 1.0 mg/kg
- HBICE-4-mRNA, 2.5 mg/kg

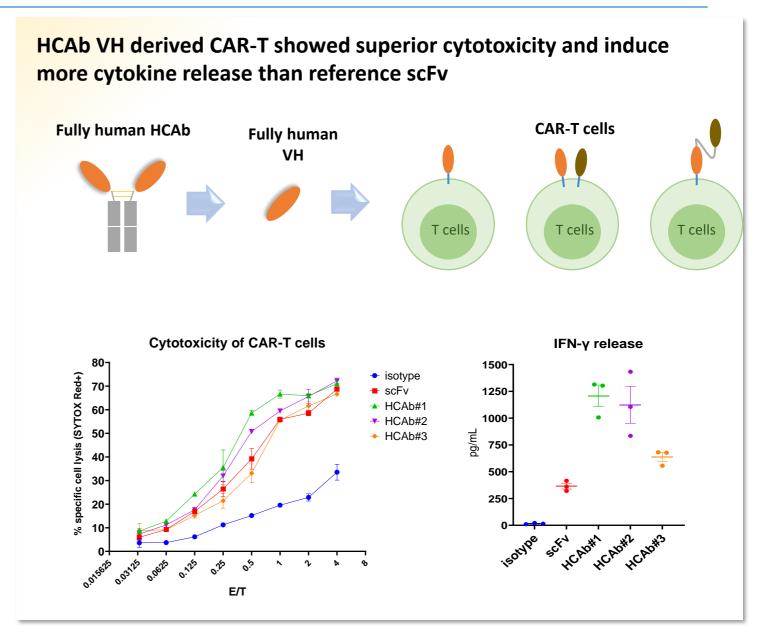
Longer serum half-life translates to durable cytotoxicity and response





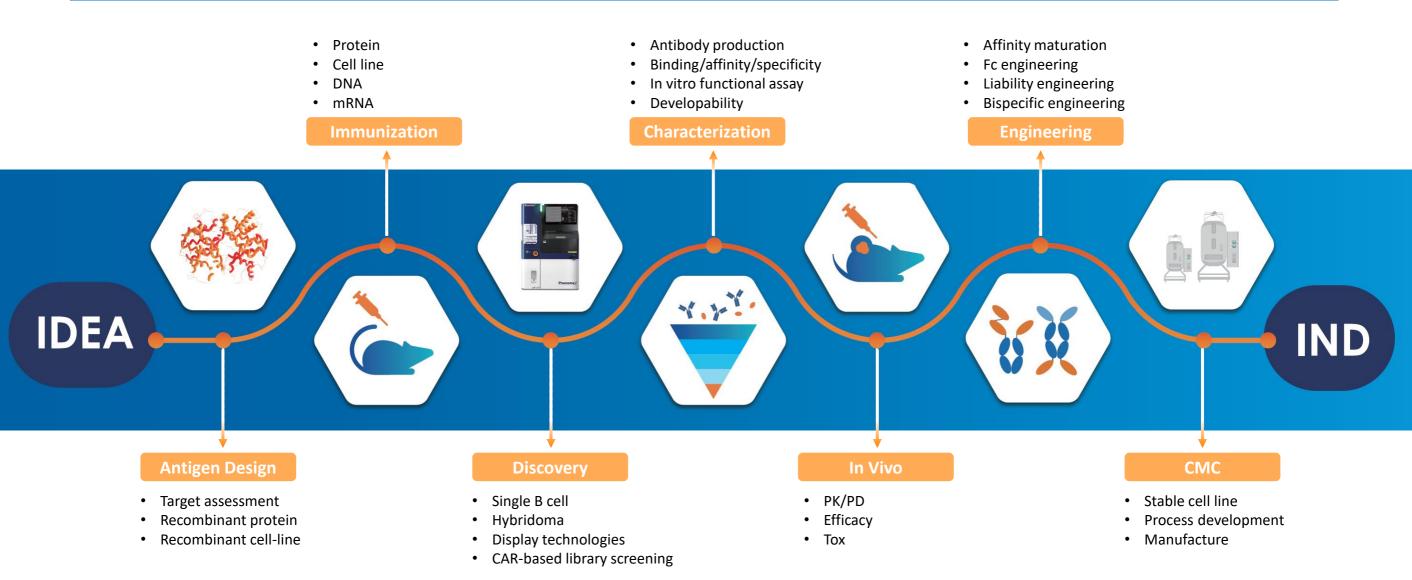
HCAb High-efficiency CAR-T Functional Screening Platform Boosts the Innovation of Cell Therapies







Nona's Technology Platform is Open to the Entire Industry







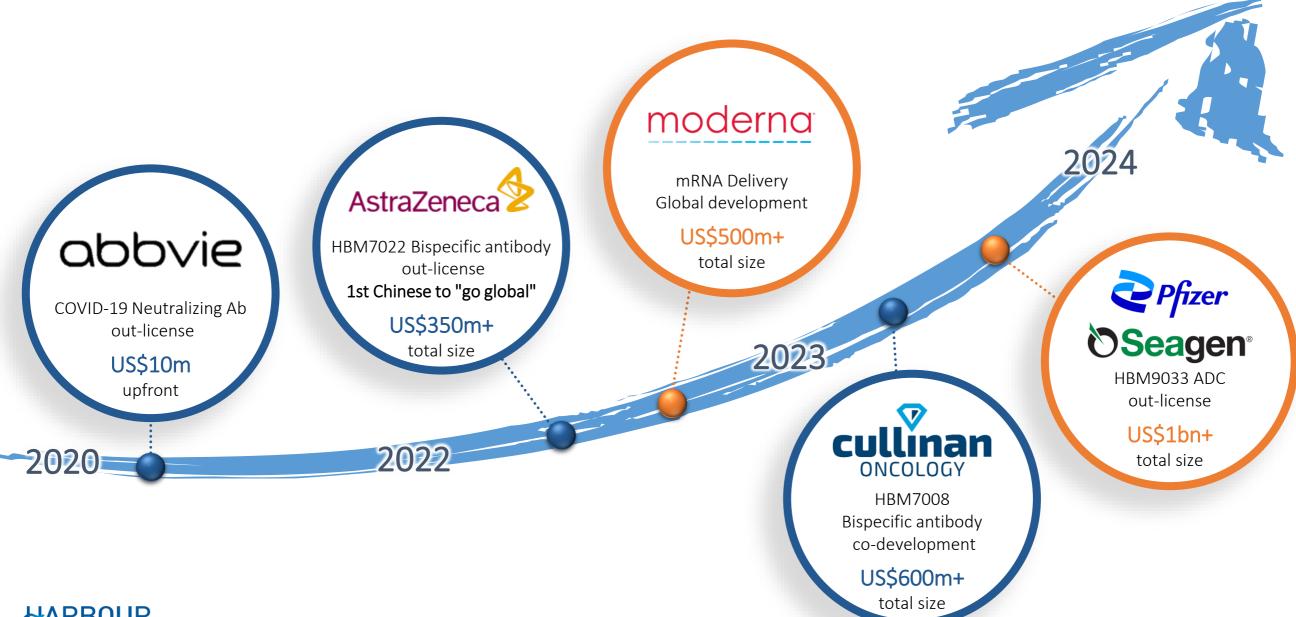
Partnerships: Innovative Platform Endorsed by Global Leading Players

Mr. Youchen Chen

VP, Corporate Development and Investor Relations



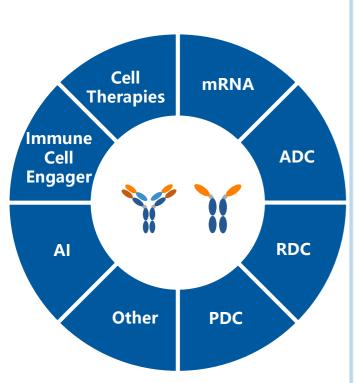
Continuous Endorsement from Global Leading Pharma as A Strong Validation of Our Technology Platform



Multimodal and Multidisciplinary Collaborations Extended to Various Top International / Domestic Partners

Collaboration Areas

Types of partners have been increasingly diversified









Financial Highlights: Sizable Net Profits Achieved for the First Time

Ms. Lisa Tong

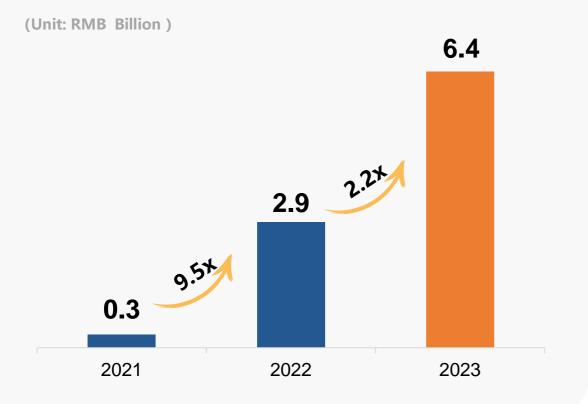
Head of Finance



Sizable and Quality Net Profits Achieved for the First Time

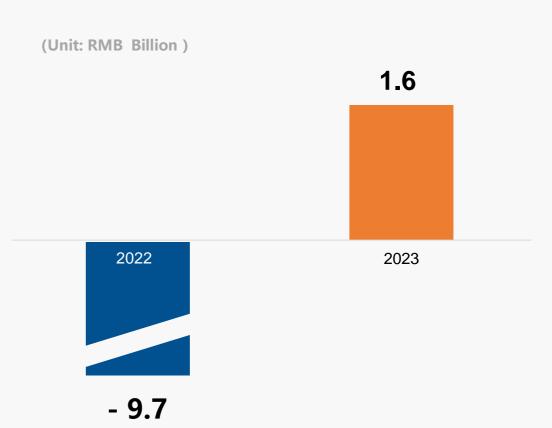
Continued Strong Revenue Growth Achieved in FY23

- Revenue achieved Exponential Growth from 2021 to 2023
- Increase in 2023 is mainly attributable to licensing business



Sizable and Quality Net Profits Realized for FY23

 We achieved Net Profits on annual basis for the FIRST Time in corporate history, 4 years after IPO

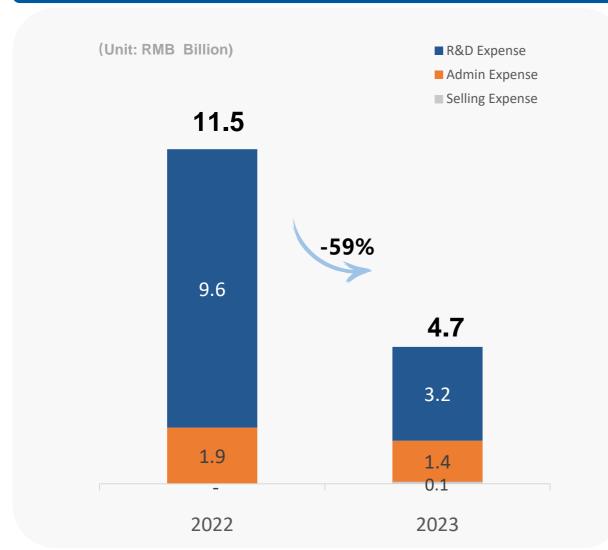




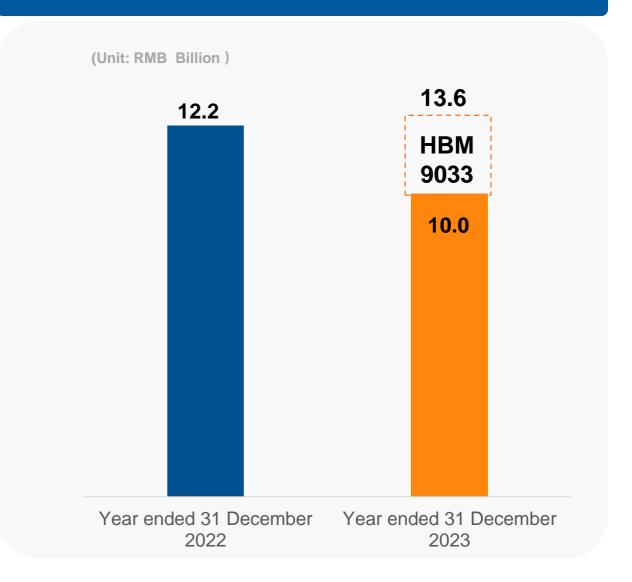
Note: USD/RMB = 7.1

Robust Cash Reserve via Efficient Cost Control and Sizable Net Profits Realized in FY23

Significant Cost Saving from Efficient Management



Robust Cash Reserve





Note: USD/RMB = 7.1



Outlook: Advance Technology Innovation and Focus on Unmet Medical Needs

Dr. Jingsong Wang

Founder, Chairman of the Board and Chief Executive Officer



FY24 Catalysts and Milestones





Clinical Stage Assets

- 🖊 HBM 9161: BLA re-submission 🥌
- HBM 4003: initiation of pivotal study, indication expansion
- HBM 1020: initial safety data readout
- ✓ HBM 9378: complete readout of Ph I data

Collaboration Assets 1

- ✓ HBM 7008: Ph I data readout
- ✓ HBM 7022: Ph I/II data readout
- ✓ HBM 9033: initiation of Ph I clinical study

Preclinical Assets

√ 1-2 projects to apply for IND

Nona Biosciences



Technology Platform

- Platform upgrade:
 HCAb+ / mRNA / CAR-T / AI ...
- ✓ Bispecific / multi-specific antibody
- ✓ Application expansion to PDC, RDC, etc.

Technology Services

- Expand service network and territories
 - ✓ West Coast, Central US
 - ✓ EU
 - ✓ APAC ...

Technology Licensing

- ✓ Deepen strategic collaboration with leading biotech/pharma and research institutions at technology and asset level
- ✓ Milestone payments achieved



Outlook (FY24 and Beyond): Advance Technology Innovation and Focus on Unmet Medical Needs

HARBOUR '

Building"HCAb Plus"Ecosystem by Connecting Global Resources

- Multiple **best-in-class pipelines**
- Build antibody pipelines focusing on tumor immunotherapy while diversifying into nononcology
- Advance several first-in-class innovative drugs to clinical stage
- Become a global leader in BsAb while maintaining leading position in mRNA, cell therapy, ADC, etc.
- Commercialization through collaborations with partners

Technology Validation

Innovation



Empowering Global Biotech Ecosystem Through Innovation

- Harbour Mice[®] continue to disrupt monopoly from overseas innovation
- Explore new modalities including PDC, RDC, AI, etc.
- Build "Nona Innovative Network" to bridge technology platform with global healthcare resources
- Deepen platform-based strategic collaboration with top MNCs
- Create a multifaceted ecosystem bridging top-tier industry and academic resources





Q&A

Contact us at:

IR@harbourbiomed.com



