2021 Interim Results Conference Call Presentation

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Leading the Next Wave of Antibody Therapeutics in Immunology and Oncology





Leading the Next Wave of Antibody Therapeutics in Immunology and Oncology

Highly Effective and Disruptive Engine

Leading Discovery Platforms

- **3** fully human antibody platforms
- 1 single B cell technology

World Class Research Team

105+ discovery scientists, **60+** PhD

3 global research centers 🍚 🍚 💭

10+ in-house late-stage preclinical/clinical products within **4** years



Manufacturing Commercialization

8500 m² pilot factory in Suzhou Fast building core commercial team



Robust Pipeline Combining Advanced Clinical Programs Addressing Highly Unmet Needs and Novel Molecules Leveraging HBM Antibody Platforms





- New indications and assets in H1 2021
 Greater China rights out-licensed to Hualan Genetics
- a. Melanoma, HCC, RCC and Other Advanced Solid Tumors
 b. Melanoma, HCC, NEN and Other Advanced Solid Tumors
- c. NSCLC and Other Advanced Solid Tumors

Agenda



First-in-class and Best-in-class Preclinical Assets

				tion Commercial Rights	Status	
	Project	Target	Indication		Discovery	Pre-Clinical
	HBM7008	B7H4×4-1BB	Solid Tumors	Global		
	HBM9378 ¹	TSLP	Asthma	Global		
	HBM1022	CCR8	Solid Tumors	Global		
	HBM1020 ¹	B7H7	Solid Tumors	Global		
	HBM7020	BCMA×CD3	Multiple Myeloma	Ex-Greater China ²		
	HBM7015	PD-L1×TGF-β	Solid Tumors	Ex-Greater China ²		
	HBM1007	CD73	Solid Tumors	Global		
	HBM1029	Claudin 18.2	Solid Tumors	Ex-Greater China ²		



2. Greater China rights out-licensed to Hualan Genetics

Integrated Platforms Enable Sustainable Invention of Novel Molecules

Harbour Antibody Platforms Combined with Single B Cell Cloning Offers A Complete and Advanced Technology Solution for Consistently Discovering Next-Gen Fully Human Antibody Therapeutics



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* Traditional hybridoma method need 7-9 months with an additional 3-6 months of humanization

70% FDA Firstly Approved "Fully Human" mAbs Were Generated from Transgenic Mice





Transgenic Mouse Platforms Have Created Significant Value

Major Events Centered Around mAb Platforms





Next-Gen Bispecific Antibody Therapies

	HBM7008 (B7H4 x 4-1BB)	HBM7020 (BCMA x CD3)	HBM7015 (PD-L1 x TGF-β)
	 B7H4 x 4-1BB HBICE [™]-based bispecific T cell engager 	 BCMA x CD3 HBICE[™]-based bispecific T cell engager 	 Bifunctional fusion protein, consisting of a fully human PD-L1 mAb and TGF-βRII extracellular domain
Highlights	 First-in-class bispecific based on HBICE platform 	 New generation BCMAxCD3 bispecific with 2+1 format and optimized anti-CD3 activity 	 Better PD-L1 activity and TGF-β blocking potency than competitor drug
	 Activate T cell activation Signal 2 specifically in tumor microenvironment, and potentially translate to better safety 	 High tumor killing specificity with less cytokine storm risk 	 No-linker design and fully human derived sequence shows superior druggability
Indication	Solid Tumors	Multiple Myeloma	Solid Tumors
IND Plan	2021	2022	2022
	HCAb-based symmetric format	HCAb-based "2+1" format	Fully human bifunctional protein
		T Cells BCMA	



Next-Gen Monoclonal Antibody Therapies

	HBM1020 (B7H7)	HBM1022 (CCR8)	HBM9378 (TSLP)
	 First fully human H2L2 mAb against a novel B7 family member checkpoint target 	 Potently antagonizes CCL1-CCR8 signaling and depletes CCR8-expressing cells 	 Fully human H2L2 mAb against TSLP, suppresses type 2 inflammation severe asthma
Highlights	 A novel immune checkpoint inhibitor potentially complementary to PD1/PD-L1 pathway 	 First reported antibody binding to human & cyno CCR8 with antagonistic function 	 Silenced ADCC/CDC effect; fully human mAb with less immunogenicity risk
gge	 Targeting PD1/PD-L1 therapy refractory patients and can combine with anti-PD-L1 	 The only mAb shown anti-tumor efficacy in anima models instead of using surrogate antibody 	 Long half-life attributed to antibody engineering
Indication	Solid Tumors	Solid Tumors	Severe Asthma
IND Plan	2022	2022	2021
	Tumor cell Tcell B7H7 T cell Fully human mAb from H2L2 Harbour Mice® PD1 B7H7 B7H7 Blocking Antibody Targeting Novel Immune Checkpoint Macrophage	1. High CCR8 expressing Tregs allow for antibody mediated depletion via ADCC NK cells Anti-CCR8 Ab recruitment C.CR8 blockade inhibit ligand CCL1 induced chemotaxis of Treg	TSLP TSLP TSLP TSLP TSLP TSLP TSLP TSLP



Next-Gen Monoclonal Antibody Therapies—HBM9378



First-in-class and Best-in-class Clinical Assets



Melanoma, HCC, RCC and Other Advanced Solid Tumors

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- Melanoma, HCC, NEN and Other Advanced Solid Tumors
- NSCLC and Other Advanced Solid Tumors C.

Batoclimab (HBM9161): A Breakthrough Therapy for IgG Mediated Autoimmune Diseases with a Portfolio-in-a-product Approach

A Pipeline-in-a-product:

60~70

diseases

pathogenic IgG

Myasthenia Gravis Neuromyelitis optical spectrum disorders Immune Thrombocvtopenia Graves' Ophthalmopathy mediated autoimmune Chronic Inflammatory Demyelinating Polyneuropathy Pemphigus Vulgaris

Current Standard of Care

Current treatments for patients with serious autoimmune diseases primarily include plasmapheresis and intravenous immunoglobulin ("IVIg")

Plasmapheresis: A process that separates blood cells from the plasma, removing antibodies, and returning them back into the body

IVIg: A process that intravenously injects antibodies collected from more than 1,000 blood donors to interfere with autoantibodies and relieve symptoms

Competitive Advantages

A more effective and differentiated treatment for autoimmune diseases

Strong Efficacy	 Potent & dose-dependent IgG reduction Clinical POC established across indications 		
Safety	 Full human IgG with low immunogenicity risk Less likely to lead to inflammation with reduced effector function Well tolerated, majority of AEs are mild and/or moderate 		
Convenient Treatment	 Fixed-dose subcutaneous injection Possible for patient self-administration Improved patient compliance 		

China's Fast-Growing Market Opportunity in Autoimmune Diseases

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Batoclimab (HBM9161): A Breakthrough Therapy for IgG Mediated Autoimmune Diseases with a Portfolio-in-a-product Approach

HBM Strategy and Plan

2021

• MG

Ph2 completion and data readout

Ph3 initiation in Q4

- 1 Breakthrough Therapy Designation achieved
- NMOSD

Ph1b/2a completion for patient recruitment in July

Plans to have Ph1b/2a data readout in H2, regulatory discussion on pivotal trial

- ITP Ph2 data analysis in H2
- GO Ph2/3 initiation
- CIDP IND approval in Aug
- PV IND application in Aug

2022-2023

- BLA for treatments of MG, NMOSD, ITP, GO
- Commercial launches
- Further indications expansion

Positive Results of Phase 2 Trial of Batoclimab Treatment for MG

- Fast, Substantial, persist clinical improvements, 57% vs 33% (MG-ADL), 76% vs 11% (QMG)
- Robust IgG reduction, 57% (340mg) and 74% (680mg)
- · All patients on treatments showed favorable safety profile





* p < 0.05 based on pooled doses *** p < 0.001 based on pooled doses

Batoclimab (HBM9161): Next Wave of Indications with Huge Unmet Medical Needs

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Batoclimab is a fully humanized recombinant IgG1 monoclonal antibody with Fc segment engineered that binds to FcRn with high affinity, making it unable to participate in IgG recycling, including pathogenic IgG



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Become the Cornerstone of Immuno-Oncology Therapy

Current Treatment and Limitation Yervoy (ipilimumab) is the only marketed anti-CTLA-4 drug and has many limitations, and there remains significant unmet medical needs for the next generation anti-CTLA-4 antibodies **Significant Toxicity in Limited Efficacy and Combotherapy Applications** Potential advantages of HBM4003 over competing anti-CTLA-4 molecules Increased potential to deplete intra-tumoral Treg cells via enhanced ADCC strategy to break the significant immune-suppressive barrier of anti-cancer immunotherapies in solid tumors Promising safety profile resulting from the reduced drug exposure in the serum AUC_(0-tau) Extensive combination potential with other anti-tumor or immunomodulatory antibodies, vaccines, and targeted therapies 1942.7

1/6 Of Dose Compared to Ipilimumab, and with Much Lower Predicted Human Exposure (~1/35 of AUC)

Survival Prolongation (Mean Survival Time)



lpilimumab (10mg/kg q3w)

Cmax

744.9

HBM4003 (1.5mg/kg q3w)



Cmin

576.3



AUC _(0-tau)	Cmax	Cmin
μg*day/ml	µg/ml	_{µg/ml}
54.27	40.26	

BHBM4003: Next-Gen Anti-CTLA4 Antibody with Potential to Become the Cornerstone of Immuno-Oncology Therapy

Market Opportunities for HBM4003:

The launch of innovative CTLA-4 antibodies with higher safety and better efficacy and targeting more indications will drive the growth of the CTLA-4 market globally





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HBM4003 Development Achievements

2020

- \checkmark IND approval in US and China (mono therapy)
- ✓ IND approvals in China (combo with PD-1 for advanced solid tumors)
- ✓ Ph 1a trial ongoing in AUS (mono therapy)

2021

- **Completed** the phase 1a trial in Australia for mono therapy, the data will be published on ESMO in September 2021
- Achieved the first dosing in phase Ib/II trial for mono therapy in Australia in May
- **Obtained** IND approval of combination therapy with PD-1 for NSCLC in China in February and **achieved** the first dosing in phase 1a study in June
- Achieved the first dosing in phase 1a for combination therapy with PD-1 for melanoma and other advanced solid tumors in China in March
- **IND Submission** for two new indications, HCC and NEN, with PD-1 combination therapy

Source: Frost & Sullivan

HBM4003: Next-Gen Anti-CTLA4 Antibody with Potential to Become the Cornerstone of Immuno-Oncology Therapy

Dr. Frank Grosveld

Dr. Jon Wigginton

and Sciences

HBM4003 is endorsed by global leading experts in IO therapy aiming to transform the global IO landscape with breakthrough innovation



Dr. Robert Kamen Venture Partner at Third Rock Ventures Former President & Unit Head of Abbott

Director, Phase 1 Clinical Research

Professor of Medicine & Radiology at

Stanford University Medical Centre

Bioresearch Centre

Dr. Shivaani Kummar

School of Medicine

Specialty Sarcoma





Program, Division of Oncology Stanford





Chief Medical Officer, Cullinan Oncology: Advisos of MPM Capital Former Therapeutic Area Head of

Fellow of Royal Society and Member of Roval Netherlands Academy of Arts

Professor and former Head of Department of Cell Biology &

Department of Clinical Genetics at Erasmus University Medical Center

Immuno-Oncology, Early Clinical Research at BMS

Former President of the Society for Immunotherapy of Cancer

Dr. John M Kirkwood

Distinguished Service Professor Medicine, University of Pittsburg

Usher Professor of Medicine, Dermatology, Clinical and Translational Science at The University of Pittsburg School of Medicine

Specialty Global Melanoma and Skin Cancer

Phase I Clinical Data Demonstrates Promising **Efficacy and Safety**

- Safety profile is confirmed, differentiated from the 1st generation of CTLA-4
- Preliminary data on clinical efficacy are encouraging
- PK/PD profile are consistent with Pre-clinical findings, confirmed innovative molecule design with minimal immunogenicity
- 20 patients were enrolled in 3 dose cohorts, 0.45m/kg is decided as RP2D, shows favorable safety profile and encouraging anti-tumor efficacy



Global Development Roadmap for HBM4003 Aiming to Unlock Potential of Broad Tumor Setting



Tanfanercept (HBM9036): A Differentiated Therapy to Treat Moderate to Severe Dry Eye Disease with Growing Prevalence



Huge Unmet Medical Needs in China

Current Available Therapies

- Limited treatment options with only one approved anti-inflammatory DED drugs in China - Cyclosporin
- Artificial tear for lubrication
- · Autologous serum/ secretagogue/ systemic anti-inflammatory



Competitive Advantages

Special TNF-α target with clearly demonstrated effectiveness

Excellent Safety Profile

Comfortable

similar drop comfortable score with placebo

Rapid Onset

4 weeks vs. 3-6 months

From initiation of treatment show reduction in clinical signs (Tranfanercept vs. Competitors)

Tanfanercept (HBM9036): A Differentiated Therapy to Treat Moderate to Severe Dry Eye Disease with Growing Prevalence

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HBM Strategy and Plan

2020

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- Published Ph2 trial data of China at "Annual Conference of Chinese Ophthalmological Society"
- Received approval from the NMPA on registrational Ph 3 trial design and BLA strategy
- Achieved first dosing of Ph 3 clinical trial in March 2021
- Ph 3 trials ongoing, target to recruit around 640 patients at 30+ sites



Positive Results of HBM9036 Phase 2 Clinical Data

Efficacy

TCSS (Total Corneal Staining Score) Pre-to-Post Change from Baseline (Week 8)



ICSS (Inferior Corneal Staining Score) Pre-to-Post Change from Baseline (Week 8)



Tanfanercept showed consistent and strong treatment benefits in signs

Safety

2022

Except for one non-drug related moderate adverse event ("AE"), all the AEs were mild. Most commonly reported AEs are conjunctivitis (6%) and conjunctival redness (6%).

	Tanfanercept (n=50)	Placebo (n=50)
Number of Subjects with TEAE	13 (26.0%)	13 (26.0%)
Number of Subjects with ocular TEAE	7 (14.0%)	4 (8.0%)
Number of Subjects with non-ocular TEAE	9 (18.0%)	10 (20.0%)
Number of Subjects with serious AE	0 (0.0%)	0 (0.0%)

	Tanfanercept (n=50)	Placebo (n=50)
Drop Comfort Scale (0-10 scale, higher is worse), mean (stan	dard deviation)	
Upon Instillation	3.7 (2.26)	3.8 (1.98)
1 Minute Post-Instillation	3.4 (2.18)	3.5 (2.12)
2 Minutes Post-Instillation	3.1 (2.20)	3.5 (2.10)

Important for long-term patient compliance with topical treatments

Tanfanercept was well-tolerated without serious treatment emergent adverse events ("TEAEs") or serious AEs ("SAEs")

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Consolidated Statement of Profit or Loss

USD'000	Six months ended 3 2021	
Revenue	2,212	6,070
Cost of sales	-	(287)
Gross profit	2,212	5,783
Other income and gains	2,681	349
Administrative expenses	(25,268)	(5,306)
Research and development costs	(41,183)	(15,198)
Loss on fair value change of convertible redeemable preferred shares	-	(33,162)
Other expenses	-	(667)
Finance costs	(39)	(235)
Loss before tax	(61,597)	(48,436)
Income tax (expense)/credit	(18)	54
Loss for the period	(61,615)	(48,382)

<u>Revenue</u>

Total revenue decreased from US\$6.1 million for the six months ended 30 June 2020 to US\$2.2 million for the six months ended 30 June 2021, primarily due to a major molecule license fee realized in first half of 2020.

Other income and gains

The increase was primarily due to an increase of bank deposit interest, as well as increase of government subsidy and grants.

Research and development costs

R&D costs was US\$41.2 million, the increase was primarily attributable to the combined impact of (i) increased investments in our key clinical programs; (ii) increased investments in our molecule assets in discovery and pre-clinical stages; and (iii) employee cost caused by an increase of research scientist and development clinician headcount to support driving R&D programs, as well as share-based compensation expense.



Administrative expenses

Administrative expenses increased to US\$25.3 million. The significant increase was caused by (i) hiring of new commercial staff to support future commercial launches of our key clinical stage products; (ii)) hiring of new administrative staff to support operations of the Group as the Company listed on the Hong Kong Stock Exchange in December 2020; and (iii) certain one-time compensation expense.

Summary of Consolidated Statements of Financial Position

USD'000	As at 30 June,	As at 31 December,
	2021	2020
Non-current assets	27,156	19,442
Current assets	300,086	369,296
Include: Cash and bank balances	<u>281,024</u>	<u>356,794</u>
Current liabilities	17,335	25,552
Net current assets	282,751	343,744
Non-current liabilities	5,812	2,178
Net assets	304,095	361,008

Cash and bank balances

Cash and bank balances decreased from US\$357 million to US\$281 million, it was primarily as a result of R&D and administrative expenses, as well as pay-down of current liabilities.



Agenda 01 **Company Overview** 02 **Differentiated Innovative Portfolio** 03 **Financial Results** 04 Outlook C Q&A 05



Rapid Progress for Key Assets Towards a Fully Integrated Biopharma Company





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THANK YOU



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