

Alphamab Oncology Presentation

January 2021

Disclaimer

This presentation has been prepared by Alphamab Oncology (the "Company") solely for use at the presentation held in January 2021.

The information contained in this presentation has not been independently verified. No representation or warranty, expressed or implied, is made and no reliance should be placed on the accuracy, fairness or completeness of the information contained herein. The information and opinions contained in this presentation are provided as of the date of this presentation or the respective cut-off date in respect of the clinical trial data, are subject to change without notice and will not be updated or otherwise revised to reflect any developments, which may occur after the date of the presentation. Neither the Company nor any of its affiliates, advisers or representatives accepts any liability whatsoever for any actual or consequential loss or damages howsoever arising from the provision or use of any information contained in this presentation. The Company may alter, modify or otherwise change in any manner the contents of this presentation, without obligation to notify any person of such alternations, modifications or changes.

This presentation contains statements that constitute forward-looking statements. These statements can be recognized by the use of words such as "expects," "plan," "will," "estimates," "projects," "intends," or words of similar meaning or intent. Such forward-looking statements are not guarantees of future performance and involve risks and uncertainties, and actual results may differ from those in the forward-looking statements as a result of various factors and assumptions. The Company has no obligation and does not undertake to revise forward-looking statements contained in this presentation to reflect future events or circumstances. Accordingly, you should not place undue reliance on any forward-looking information.

This presentation is highly confidential, is being presented solely for your information and for your use and may not be copied, reproduced or redistributed to any other person in any manner without the Company's prior written consent. Unauthorized copying, reproduction or redistribution of this presentation could be limited or prohibited by the securities laws of various jurisdictions.

This presentation is for information purposes only and does not constitute or form part of, and should not be construed as, an offer to sell or issue or the solicitation of an offer to buy or acquire securities of the Company, any of its holding companies, or any of its subsidiaries in any jurisdiction or an inducement to enter into investment activity. No part of this presentation, nor the fact of its distribution, shall form the basis of or be relied upon in connection with any contract, commitment or investment decision whatsoever. Any decision to purchase or subscribe for any securities of the Company should be made after seeking appropriate professional advice. By attending or receiving this presentation you acknowledge that you will be solely responsible for your own assessment of the business, the market and the market position of the Company and that you will conduct your own analysis and be solely responsible for forming your own view of the potential future performance of the business of the Company.

No securities of the Company may be offered, sold or transferred within the United States or to, or for the account or benefit of U.S. persons, without registration with the United States Securities and Exchange Commission, except as pursuant to an exemption from, or in a transaction not subject to, such registration requirements. The Company has not registered and does not intend to register any securities of the Company under the U.S. Securities Act of 1933, as amended. There will be no public offering of any securities by the Company in the United States. In Hong Kong, no securities of the Company may be offered to the public unless a prospectus in connection with the Offering for subscription of such shares has been formally approved by The Stock Exchange of Hong Kong Limited in accordance with the Companies (Winding Up and Miscellaneous Provisions) Ordinance (Cap. 32) and duly registered by the Registrar of Companies in Hong Kong. The securities referred to herein have not been and will not be registered under the applicable securities laws of the People's Republic of China (the "PRC"), and may not be offered or sold within the PRC or to any national, resident or citizen of the PRC.

By attending this presentation, participants agree not to remove this presentation, or any materials provided in connection herewith, from the conference room or online platform where such presentation or materials are provided. Participants further agree not to photograph, copy or otherwise reproduce these materials during the presentation or while in the conference room. Participants must return this presentation and all other materials provided in connection herewith to the Company at the completion of the presentation. By attending this presentation, you are agreeing to be bound by the restrictions and other limitations set forth herein. Any failure to comply with these limitations may constitute a violation of law and may lead to legal or regulatory action.

Agenda





01

Company Overview

Support from Well-recognized Investors



^{1.} Suzhou Alphamab, the predecessor of our Company, was founded in November 2008

2. Mr. Xitian Zhang and Mr. Chuanxiao Xue are shareholders and directors of Shihuida Pharma which has over RMB2bn of annual sales in recent years

- 3. Other investors include Southern Creation (Shanghai Kuokun) and HCC Investments
- 4. Other investors include Classic Insight and others



We are a leading clinical-stage biopharmaceutical company in China with a fully-integrated proprietary biologics platform in bispecifics and protein engineering, delivering world-class innovative therapeutic biologics to cancer patients globally.



Established R&D Platforms Continuously Advance R&D Pipeline



Expanded Multi-Functional Platforms Transform Next Generation R&D Portfolio



Strong Manufacturing Capabilities

- The Phase I (2x2,000L) production lines of our new manufacturing facilities has obtained "Drug Production License" by Jiangsu Provincial Drug Administration in 2020.
- ✓ Current capacity: 6,000L (2x2,000L, 2x1,000L)
- ✓ Extra 6,000L to be retrofit to current facility in 2022
- ✓ Additional **30,000L** manufacturing facility construction to be initiated in 2022





Our Strategy: Significant Pipeline Advancement Paves the Way for Strong Business Position





02

Pipeline Overview

Pipeline overview

Stage	Drug candidates	Target(s)	Platform	Rights	Key Indications	Pre- clinical	Dose escala- tion	Proof of concept	Pivotal	NDA
	KN046	PD-L1/CTLA-4 bispecific	sdAb/ mAb	Global	NSCLC, Thymic, HCC, Pancreatic, ESCC, TNBC					
Late-	KN026	HER2/HER2 bispecific	CRIB	Global	HER2-positive BC, GC/GEJ					
stage	KN026 +KN046	Target therapy +IO combo	Biomarker driven	Global	HER2-positive solid tumors					
	KN035	Subcu PD-L1	sdAb/ mAb	Global Co- development	MSI-H, BTC, Sarcoma, TMB-H, MSS endometrial				NDA submit	ted in 2020Q4
	KN019	B7	Fusion protein	Global	RA, lupus, renal transplant, GvHD		Pha	se II ongoing		
Clinical/ IND	KN052	PD-L1/OX40 bispecific	CRIB	Global	Solid tumors	IND in 2021				
	Antibody for COVID-19	None RBD conformation specific	CRIB	Global	COVID-19	IND in 2021				
	JSKN-003	HER2 ADC	BADC	Global	HER2-positive/low solid tumors	IND in 2021				
	JSKN-001	Undisclosed	CRIB	Global	Solid tumors					
	JSKN-002	Undisclosed	GIMC	Global	Solid tumors					
	JSKN-004	Undisclosed	TIMC	Global	Solid tumors					
Pre- clinical	JSKN-005	Undisclosed	CIMC	Global	Solid tumors					
	JSKN-006	Undisclosed	BIMC	Global	Solid tumors					
	KN053	Undisclosed bispecific	sdAb/ mAb	Global	Solid tumors					
	KN055	Undisclosed bispecific	sdAb/mAb, fusion protein	Global	Solid tumors					
	KN058	Undisclosed bispecific	sdAb/mAb, fusion protein	Global	Solid tumors					

KN046 update



KN046 Clinical Development Plan

Stage	Indication	Mono/Combo	Pre- clinical	Dose escala- tion	Proof of concept	Pivotal	NDA	Expected timeline
	1L NSCLC, sq +chemo						*	BLA 2022H1
1 Divotal trials	Thymic carcinoma	Mono					*	BLA 2022H1
	1L HCC	+Lenvatinib						BLA 2023H2
	PD-1 refractory NSCLC	+Lenvatinib					*	BLA 2023H1
	Driver mutation positive NSCLC	+chemo						Ongoing
	1L Pancreatic	+chemo						Ongoing
key Phase 2 trials ongoing	1L NSCLC	+RT						Ongoing
	1L TNBC	+nab-paclitaxel						Ongoing
	1L ESCC	+chemo						Ongoing
	1L NSCLC	+Axitinib						FPI 2021H2
key Phase 2 trials to be launched	Neoadjuvant NSCLC	+Lenvatinib						FPI 2021H2
	Neoadjuvant RCC	+Axitinib						FPI 2022H1

KN046-201 2L NSCLC

PFS and OS benefits for squamous and non-squamous NSCLC patients



mPFS was 3.68 months (95%CI 3.35, 7.29)

- non-sq NSCLC, 3.58 months (2.46,5.52)
- sq-NSCLC 7.29 months (3.68,9.23)



Median overall survival was not reached

- 6-month OS rate 85.6%
- 12-month OS rates 69.7%

2 Numerically higher PFS and OS than other PD-1s

Indication	Drug	Pt#	mPFS	mOS	Clinical trial
NSCLC 2L	KN046	64	7.3(sq), 3.6(non-sq)	13.6(sq), Not reached (non-sq)	KN046-201
NSCLC 2L	Pembro	394	3	9.3	Keynote001
NSCLC(non-sq) 2L	Nivo	292	2.3	12.2	CheckMate057
NSCLC(sq) 2L	Nivo	135	3.5	9.2	CheckMate017
NSCLC 2L	Nivo	37	2.3*(all doses)	14.9	CA209-003
NSCLC 2L	Pembro	344	3.9	10.4	Keynote010

KN046-AUS-01 in Rare Thoracic Tumors



Waterfall plot

Response observed in 3 subjects with thymic epithelial out of 4 in total :

- ORR: 75% (3/4)
- DCR: 100% (4/4)

 ODD (Orphan Drug Designation) awarded by US FDA



Phase II registration trial in China and US initiated

KN026 – HER2/HER2 BsAb JSKN003 – HER2/HER2 BsAb – ADC



Highlights

- 1) Dual blockade of parallel HER2-related signaling pathways
 - Binds two distinct epitopes of HER2 receptors which have been clinically validated by the Herceptin and Perjeta combination therapy
 - Can induce synergistic inhibitory activities and potentially reduce drug resistance and relapse

2) Enhanced multiple HER2 receptor binding and HER2 receptor internalization

- Crosslinking multiple HER2 receptors on the cell surface and promote HER2 internalization
- Binds Her2 more efficiently, particularly in low/intermediate expression
- Enhanced internalization of toxin to improve antitumor activity

3) Fc-based BsAb with full effector functions

- Recruit immune cells to destroy HER2overexpressing target cells
- Increased presence of KN026 on tumor cells leads to increased tumor killing by effector functions

KN026, JSKN003 Highlights



2 Transforming anti-HER2 in gastric/gastroesophageal cancer

3 Tumor agnostic approach to all solid tumors

4 Predictive biomarker for differentiation





KN026, JSKN003, KN026+KN046 combo Clinical Development Plan

Stage	Trial	Combo/Mono	Expected timeline
	KN026-304	≥ 2L: KN026-based combination	BLA 2023H1
-	KN026-203, exploratory phase	≥ 2L: KN026 + KN046	Ongoing
	KN026 201	1L: KN026 + docetaxel	Ongoing
HER2+DC	SANOFI	≥ 2L: KN026 + pyrotinib/capecitabine	FPI 2021Q2
	KN026-205 Pfizer	≥ 2L: KN026 + palbociclib (+/- fulvestrant)	FPI 2021Q1
	KN026-208	Neoadjuvant: KN026 based combinations	FPI 2021Q3
	KN026-203, primary efficacy phase	≥ 2L: KN026 + KN046	BLA 2023H2
HER2+GC/GEJ	KN026-303	Neoadjuvant: KN026 + KN035 + chemo	BLA 2023H2
	KN026-302	1L: KN026 + KN046	BLA 2024H2
	KN026-306	1L: KN026 + KN035 + chemo	BLA 2024H2
-	1/2010/10/10/10/10/2010	1L: KN026 + KN046	Ongoing
	KN046-IST-02	1L: KN026 + KN046 + reduced chemo	FPI 2021Q1
	KN026-202	≥ 2L: mono	Ongoing
	JSKN003-101	Late line: mono	BLA 2023H2
HER2+ solid tumors	KN026-US-01	Late line: mono	Ongoing
	KN046-IST-02, exploratory phase	≥ 2L: KN026 + KN046	Ongoing
	KN026-203, exploratory phase	≥ 2L: KN026 + KN046	Ongoing
HER2-low solid tumors	JSKN003-101	Late line: mono	FPI 2022Q2

KN026, JSKN003, KN026+KN046 combo Highlights

Redefining anti-HER2 in breast cancer



Potential Superior Efficacy: 2L Gastric Cancer Studies

Target best in class profile with near-term US and China registration studies



5. ASCO GI 2021

6. K. Shitara et al NEJM; DOI: 10.1056/NEJMoa2004413

7. Lin Shen SITC 2020

KN035: Potential First-global Subcu PD-L1 with BLA Submitted

Intravenous Infusion vs. Subcutaneous Injection Favorable Partnership Term Subcutaneous Injection Favorable Partnership Term Subcutaneous Injection Favorable Partnership Term Subcutaneous Injection Subcutaneous Injection

Advantages



Better/quicker administration



Preferred for patients with limited vein access



Lower medical cost



Prolonged half-life to support a less frequent dosing schedule



Precedent for strong competitiveness: 4 years after launch, SC Herceptin represents ~50% of Herceptin sales in European market

KN035 Efficacy Comparison: VS Pembrolizumab and Nivolumab in Advanced dMMR/MSI-H Soild Tumors

	Pembrolizumab			Nivolumab ^{3,4}	Envafolimab			
	KEYNOTE-164 ¹		KEYNOTE-158 ²	CHECKMATE- 142		KN035-CN-006		
Study population	CRC-cohort A (≥2 prior therapies CRC)	CRC-cohort B (overall CRC)	non-CRC (prior ≥ 1 line)	≥2 prior therapies CRC	≥2 prior therapies CRC	Overall CRC	Overall population (prior ≥ 1 line)	
	 Local/central lab verified MSIH/dMMR; 	 Local/central lab verified MSIH/dMMR; 	 Local/central lab verified MSIH/dMMR 	 Local/central lab verified MSIH/dMMR 	 Central lab verified MSIH; 	 Central lab verified MSIH; 	 Site/central lab verified MSIH/dMMR; 	
Sample size	61	63	233	53	41	65	103	
ORR, %; IRC	33% (27.9%*)	33% (32%*)	34.3%	28%	31.7%	43.1%	42.7%	
mPFS, months	2.3	4.1	4.1	_	4.9	7.2	11.1	
6-m PFS rate	— (43%*)	— (49%*)	—	_	48.8%	53.8%	57.7%	
mOS (months)	31.4	not reached	23.5	_	not reached	not reached	not reached	
6-m OS rate	<u> (87%*)</u>	— (84%*)	—	_	80.5%	84.5%	82.4%	
12-m OS rate	72%	76%	60.7%	73%	64.7%	72.9%	74.6%	

*: KEYNOTE164 early published data [6,6]

3 drugs failed: failed with Fluorouracil, Oxaliplatin, Irinotecan

2 drugs failed: failed with Fluorouracil combined with oxaliplatin/irinotecan

1. J Clin Oncol. 2020 Jan 1;38(1):11-19.

2. J Clin Oncol. 2020; 38 (1): 1-10.

Annais of Oncology. 2017; 28(S5): 128-129.
 ASCO 2018 Annual Meeting, 3514.

3. Overman MJ, et al. Lancet Oncol. 2017; 18(9): 1182-1191.

4. Opdivo (nivolumab). Highlights of Prescribing Information. Reference ID: 4427750ite

KN035: Superior Safety Profile and Dosing Schedule



irAE Comparison of KN035 and similar products

All lovels of	PD-1 inhibitor						PD-L1 inhibitor				
incidence (%)	Nivolumab ¹ (n=1994)	Pembrolizumab ² (n=2799)	Sintilimab ³ (n=540)	Toripalimab⁴ (n=598)	Camrelizumab⁵ (n=986)	Avelumab ⁶ (n=1629)	Durvalumab ⁷ (n=1889)	Atezolizumab ⁸ (n=2616*)	KN035 (n=390)		
Immune-related pneumonia	3.1%	3.4%	6.9%	1.8%	2.7%	1.2%	5%	2.5%	0.5%		
Immune-related colitis	2.9%	1.7%	0%	0%	0.2%	1.5%	-	1.0% ^{9*}	0%		
Infusion reaction	6.4%	3.0% ^{10*}	-	-	-	25%	2.2%	1.3%	NA [#]		
Immune-related endocrine diseases											
Hypothyroidism	9%	8.5%	8.5%	12.9%	20.5%	5%	11%	4.6%	11.8%		
Hyperthyroidism	2.7%	3.4%	4.3%	4.8%	6.7%	0.4%	7%	1.6%	7.2%		
Immune related myocarditis	< 1%	< 1%	0.6%	-	0.3%	< 1%	< 1%	< 1%	0.3%		
Immune related hepatitis	1.8%	0.7%	3.5%	3.5%	9.1%	0.9%	12%	9%	2.8%		



PK simulation support future change from QW to Q3W

Q3W (every 3 week) subcu

Time (day)

*: Atezolizumab's immune-related colitis (1.0%; n+729); pembrolizumab's infusion reaction (3.0%; n=495)

-: Not reported

#: KN035 has no infusion reaction due to subcutaneous injection, and the incidence of injection site reaction is 5.1% (all Grade 1-2)

1. OPDIVO (nivolumab). HIGHLIGHTS OF PRESCRIBING INFORMATION. Reference ID: 4400635

2. KEYTRUDA (pembrolizumab). HIGHLIGHTS OF PRESCRIBING INFORMATION. Reference ID: 4492828

3. March 2019, Sintilimab (CXSS1800008) BLA technical review report by NMPA CDE

4. March 2019, Toripalimab(CXSS1800006) BLA technical review report by NMPA CDE

5. July 2019, Camrelizumab (CXSS1800009) BLA technical review report by NMPA CDE

6. BAVENCIO (avlumab). HIGHLIGHTS OF PRESCRIBING INFORMATION. Reference ID: 4433254

7. IMFINZI (durvalumab). HIGHLIGHTS OF PRESCRIBING INFORMATION. Reference ID: 4465139

8. TECENTRIQ (atezolizumab). HIGHLIGHTS OF PRESCRIBING INFORMATION. Reference ID: 4527935

9. Wang DY, et al. Onco 2017; 6: e1344805 10. Garon E B, et al. N Engl J Med, 2015, 372(21)

KN019: CTLA-4-Fusion Proteins - Immunosuppressant Drugs

Completed patient enrollment in China phase II RA study

Overview of CTLA-4-Fusion Proteins

- Function in the early stage of T-cell activation and may achieve efficient global downregulation of unwanted immune responses
- Clinically-validated for treatment of autoimmune disease(e.g.TNF refractory RA) and prophylaxis of organ rejection after kidney transplant outside China
- Potentials to become a supportive therapy for o mitigate IO treatment-induced immune disorders (N Engl J Med 2019; 380:2377-2379)
- Approx. 100,000 patients suffering below immune disorders in China without effective treatment
 - IrAEs in patients treated with immune checkpoint inhibitor therapy
 - Severe cytokine release syndrome (CRS) due to massive cytokine release by certain cell therapies (CAR-T and TCR-T) and CD3 agonists
 - Graft-versus-host diseases during leukemia treatment

Major Lymphocytes and Signals for Activation & Maintenance of Immune Response





03

Operation Progress

Business Development : comprehensive combo strategy

..to unlock KN046's full potential

Target	Combo Drug	Partner
VEGFR-1, -2, -3; c-CRAF, BRAF, mBRAF; FLT3; KIT; PDGFRβ; RET, RET/PTC	Donafenib Tosylate	Zelgen 泽璟制药
MET; VEGFR-2; AXL; MER; FLT-3	Ningetinib Toluenesulfonate CT053	Sunshine Lake 广东东阳光
ALK-1 (Activin Receptor-Like Kinase-1)	GT90001	Kintor Pharmaceutical 开拓药业
Wnt pathway Porcupine protein	XNW7201	Sinovent 信诺维
Focal adhesion kinase inhibitor	IN10018	InxMed 应世生物

Business Development : strong potential MNC interest in KN026

HER2-positive, HER2-int/low and HER2-mutation, KN026-based combination

Target	Combo Drug	Partner		
CDK4/6	lbrance® (palbociclib)	Pfizer		
Microtubule inhibitor	Taxotere® ⁽³⁾ (Docetaxel)	SANOFI		

Notes:

1. Herceptin's label only covers Her-2 High, about 25% of breast cancer patients. While total Her-2 High, Midium and Low is about 80% of patients

2. Herceptin's label only covers Her-2 High, about 10-18% of gastric cancer patients. While total Her-2 High, Midium and Low is about 40% of patients

3. Sanofi has an exclusive option agreement for the strategic collaboration to advance clinical studies investigating KN026

Key Upcoming Milestones and Catalyst in 2021

IND

- IND Application for Her-2 ADC, KN052 and COVID-19 Antibody
- · KN019 is converted to subcutaneous injection form to promote tumor/non-tumor indications

Registration Trials

- ENREACH-LUNG-01: KN046 first-line squamous non-small cell lung cancer Stage III completed enrollment with interim readout
- ENREACH-THYMIC: KN046 ≥ second-line thymic carcinoma Pivotal Phase II enrollment completed
- SEARCH-01: KN046+KN026 ≥ second-line Her-2 positive gastric cancer Pivotal Phase II is enrolled
- Initiates Phase II/III: KN046+lenvatinib, PD-L1/PD-1 progress NSCLC
- · Initiates Pivotal Phase II: KN026+KN035+ chemotherapy and first-line Her-2 positive gastric cancer
- · Initiates Pivotal Phase II: KN046+chemo pancreatic cancer and/or liver cancer

Key Data Release

- AACR (Apr, 2021): KN046-203 TNBC
- ASCO (Jun, 2021): 1)KN046-202 1L NSCLC; 2)KN026-202 GC; 3) KN026-203 KN046+KN026 in HER2-positive solid tumors; 4) KN046-204 1L ESCC; 5) KN046-202 driver mutation positive NSCLC
- ESMO (Sep, 2021): KN046-IST-05 1L HCC

ESMO ASCO



Business Development

ROW Codevelopment/Outlicense for KN035 and KN026

Commercialization

- KN035 (Envafolimab) MAA
- Budling a core commercial team

Manufacturing and Quality

- Pilot plant with advanced process technolgy
- · Fill/Finish facility to meet global cGMP standard

Other

• State of art 12,000 m2 research lab to enable AI based protein design, engineering, process development and Cell and Gene Theraly



Q&A