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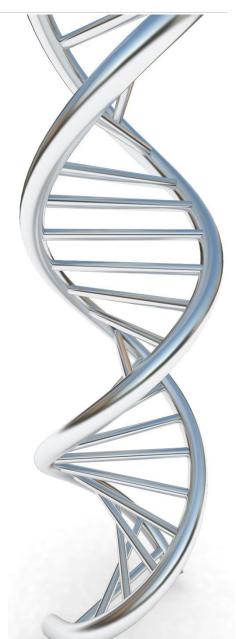
### **Genexine's Key Pipelines**

- 1. GX-I7
- 2. GX-H9 & GX-E4
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- 5. COVID19 Therapeutic Medicine GX-I7

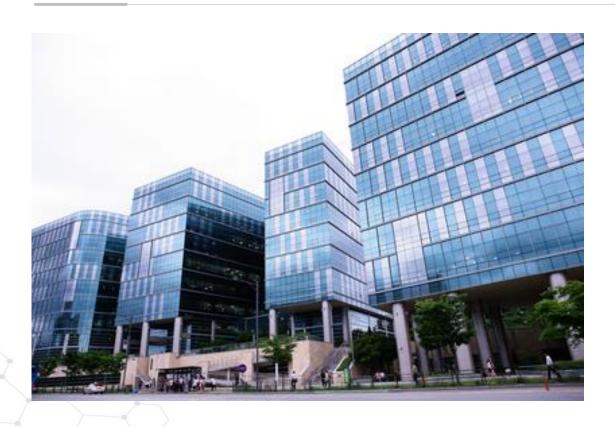
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# **01** Genexine Overview



### Genexine

"Focused on the Development of Innovative Immunotherapeutics and Saving the lives of Patients."

Chairman/CEO	Young-Chul Sung Ph.D.
Key Milestones	<ul><li>Established in June, 1999</li><li>Listed on KOSDAQ since 2009</li></ul>
Core platform technologies	<ul><li>hyFc antibody fusion technology</li><li>DNA vaccine technology</li></ul>
Focus area of R&D	<ul><li>Immuno-oncology</li><li>"Orphan drugs"</li><li>DNA vaccines (infectious diseases &amp; cancer)</li></ul>
Employees	• 155 (MD 1, Ph.D 20, MS 55)
Market Cap	• \$3.5 bi. (October 2020)
Location	<ul> <li>Pangyo Korea Bio Park, Gyeonggi-do, Korea</li> </ul>

# **02** Genexine's Platform Technologies

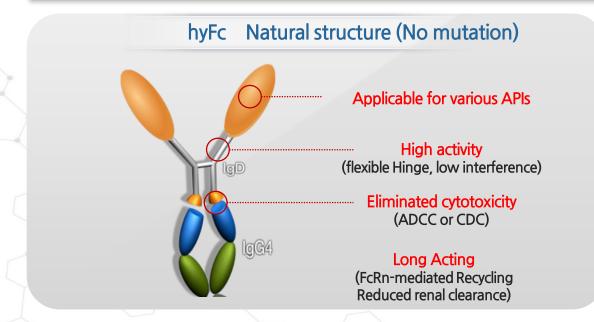


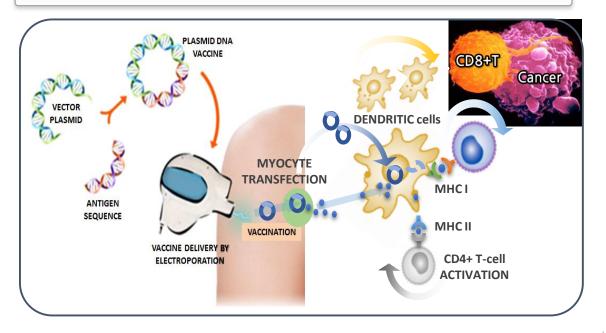
"Innovative Immunotherapeutic & Saving the lives of Patients."



**hyFc**<sup>TM</sup>: Increased protein activity by combining IgD (flexible hinge) & IgG4 (stable long acting)

**DNA Vaccine**: innovative gene therapy can provide preventive and therapeutic vaccines.





### **03** Genexine's Platform Technologies-cont'd

### hyFc™ (Long-acting protein drug)



### First-in-Class

- Immuno-oncology drug (GX-I7)
- Immunosuppressive drug (GX-P1, GX-P10)

### **Best-in-Class**

- Growth hormone deficiency treatment drug (GX-H9)
- Chronic kidney disease-induced Anemia correction drug(GX-E4)
- Neutropenia correction drug (GX-G3)
- Type 2 Diabetes treatment drug(GX-G6)
- Short bowel syndrome treatment drug(GX-G8)

### **DNA Vaccine** (Cancer therapeutic/infection prevention)



### First-in-Class

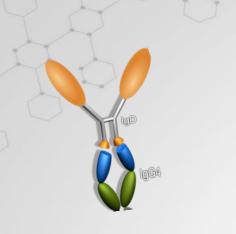
#### **Therapeutic DNA Vaccine**

 Cervical cancer, Head and Neck cancer vaccine (GX-188E, GX-200 series)

### First-in-Class

#### **DNA Vaccine for Prevention**

• COVID-19 vaccine (GX-19)



hyFc<sup>TM</sup>

# GX-I7

Long-acting Fc-fused
Interleukin-7 (IL-7-hyFc)
Cancer Immunotherapy and
Lymphopenia



## **04** What will be after Keytruda?

### TNF-α inhibitor

**Global Market Size** 

#### Humira

\$ 10.2 Bn in 2025 \$ 19.9 Bn in 2019

#### **Enbrel**

\$ 4.2 Bn in 2025 \$ 7.2 Bn in 2019

### **Checkpoint Inhibitor**

**Anti-PD1** 

Keytruda in 2025 \$ 11.1 Bn in 2019

**Opdivo** \$ 13.0 Bn in 2025 \$ 8.0 Bn in 2019

Anti-PD-1 inhibitor

Long-acting Interleukin-7

**GX-17** 

56.5bn

TNF-α inhibitor

30.7bn

(Source: 2020 Global Data.2020 medgadget)

## **O5** GX-I7: IL-7 (T-Cell amplifier) + hyFc (long-acting)

### GX-I7: The only stable and long-acting IL-7 agent

- IL-7 increases # of T lymphocytes (T-cell amplifier); First-in-class drug ever developed for lymphopenia
- IL-7 + hyFc = Potential blockbuster long-acting protein drugs.
- T-cell amplifying drug in combination therapy with radio/chemo, targeted, immunotherapy, and cell therapy.
- Conducting **combination clinical trials** with global big pharma including Roche, Merck, BMS, etc.

### **Cancer immunotherapy**

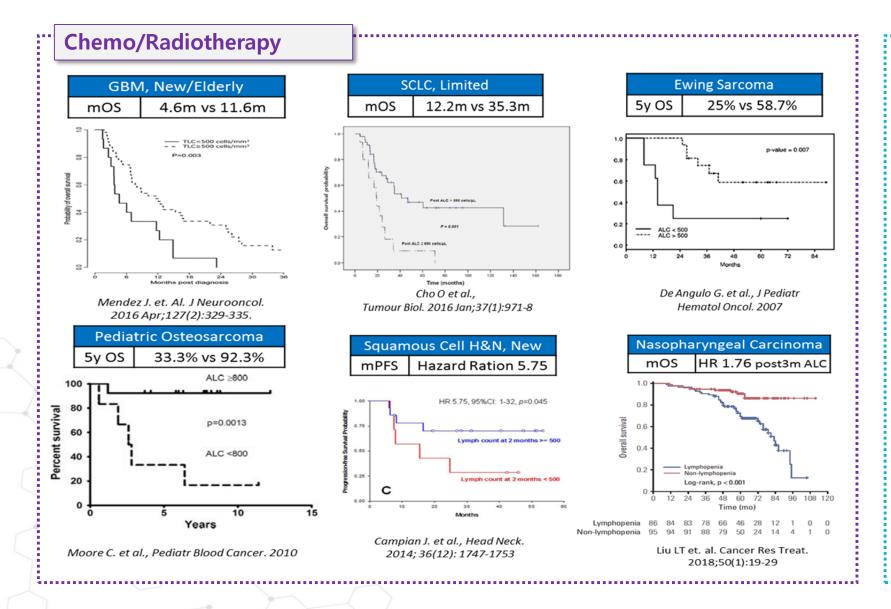
Rejuvenating T cells which was exhausted by cancer cells.

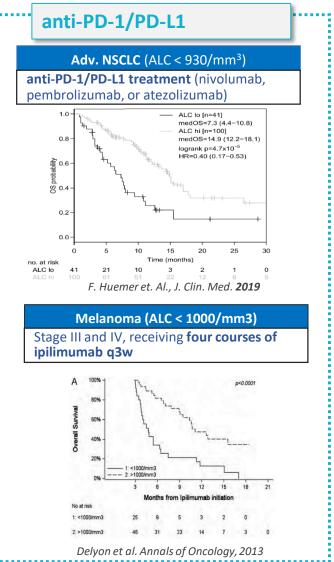
### T cell count: key to cancer immunotherapy

### **Combination with GX-I7**

Amplifying absolute T-cell counts for patients experiencing low anti-cancer effect due to compromised immune system.

### 06 Lower # of T cell correlates with lower Overall Survival





## **07** GX-I7: The only solution for Lymphopenia

### Blood Cell

### Erythrocyte

EPO(Erythropoietin)
- Anemia

Epogen: Amgen Mircera: Roche

#### **Platelet**

TPO(Thrombopoietin)
- Thrombocytopenia

Nplate: Amgen Promacta: Novartis

### Neutrophil

G-CSFs
- Neutropenia

Neupogen: Amgen Neulasta: Amgen

### Blockbuster bio drugs developed by global big pharma

Currently, in intense competition,

biosimilar products are launching after patent expiration

**Global Market 10.7bn\$** in 2025
from 7.3bn\$ in 2018

**Global Market 3.3bn\$** in 2025
from 3.0bn\$ in 2018

**Global Market 15.4bn\$** in 2025
from 11.3bn\$ in 2018

### Lymphocyte

Efineptakin alfa - Lymphopenia

GX-I7 (NT-I7 / TJ-107)

under development Genexine's First-in-Class

> Global Market

# **08** GX-I7: Unlimited potential with Combination Therapies

### **Chemotherapy & chemo/radiotherapy**

The Global Chemotherapy Market \$ 33 Bn in 2020

#### **Cancer Vaccines**

DNA, RNA Peptide, Viral

The Global Cancer Vaccine Market \$ 12 Bn in 2025 from \$ 3.3 B in 2017 CAGR of 17.28%

### **Checkpoint Inhibitor**

Anti-PD-1, Anti-PD-L1, Anti-TIM3, Anti-LAG3...

The Global Immune Checkpoint Inhibitors Market \$ 56.5 Bn in 2025 from \$ 10.5 B in 2017 CAGR of 20.1%

**GX-17** 

Lymphopenia

### **Cell Therapy**

CAR-T / TCR-T

The Global CAR -T cell Therapy Market \$ 8.71 Bn in 2025 from \$ 0.34 B in 2018 CAGR of 58.52%

#### **Infectious Disease**

**The Global infectious disease therapy market \$ 59.3 Bn** in 2026 from \$ 47.6 B in 2020 **CAGR of 3.7%** 

(Source: EvaluatePharma World Preview 2020, Mckinsey&Company, MarketWatch 2020)

## **09** GX-I7: Proven Safety & Efficacy for mTNBC

• Interim analysis reported (KEYNOTE-899) at ASCO in May 2020: Results from clinical trial phase 1b/2 for combination therapy (GX-I7 with Keytruda).

### **Best Overall Response**

- PR, 3 out of 9 patients; SD, 4 patients at 1,200ug/kg dose group
  - → Confirmed high ORR with high dose

N(%)	360 (N=3)	720 (N=9)	960 (N=9)	1,200 (N=9)
ORR				
CR	-	-	-	-
PR	-	-	1(11.1)	3(33.3)
SD	-	2(22.2)	3(33.3)	4(44.4)
PD	3(100.0)	7(77.8)	5(55.6)	2(22.2)
DCR	-	2(22.2)	4(44.4)	7(77.8)

ASCO2020 Poster Presentation

- Monotherapy of Merck's Keytruda (KEYNOTE-086, N=170)
  - **ORR 5.3%** , 2 CR(1.2%), 7 PR(4.1%)

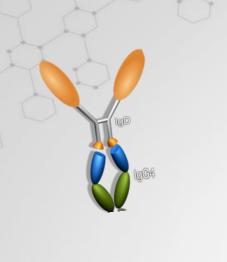
# **10** GX-I7 License-out: \$12.5M $\rightarrow$ \$560M $\rightarrow$ \$\$\$

Partner Company	Ne©lmn	MUNETECH		I-MAB BIOPHARMA	
	KOSDAQ listing expected (a	pplied for evaluation Aug '20 )	Nasdaq (US) Listed (2020	.01)	
Contract Date	2015.06 – Early stage with	n less pre-clinical data	2017.12		
Territory	Europe/USA		China		
Total Amount	\$12.5 M		\$560 M		
	NT-I7: 6 Oncology & 2 Inf	ectious Disease trials	TJ107 : 2 Oncology trials		
	Indication	Clinical Trial Status	Indication	Clinical Trial Status	
	GBM GBM	Phase 1/2 Phase 1/2 (Temozolomide Co.)	GBM	Phase IND Approved (Temozolomide Co.)	
Pipeline	High risk skin cancer	Phase 1b/2a (Tecentriq <sup>®</sup> Co.)	Solid Tumor	Phase 2a	
	TNBC, Lung, Pancreatic, Colorectal cancer Gastric, GEJ, and Esophageal Adenocarcinomas  Diffuse large B-cell lymphoma  Preventative vaccine (Elderly cancer survivors)  COVID-19 infected patients	Phase 1b/2a (KEYTRUDA® Co.)  Phase 2 (Opdivo® Co.)  Phase 1b (Kymriah® Co.)  Phase 1/1b  Phase 1			

# 11 GX-I7 (NT-I7/ TJ-107): Clinical Trial & Development Timeline

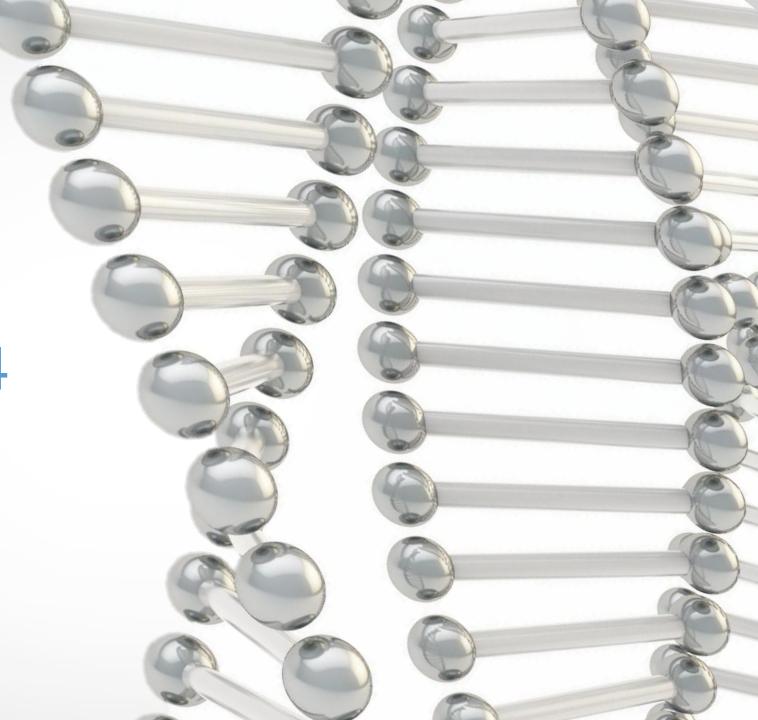
Field	Typo	Treatment	Indication	Preclinical	Phas	e 1	Pha	se 2	Phase 3	Partner
	Туре	rreatment		Freciiiicai	a	b	а	b		Partilei
	Mono	_	Colorectal, Breast, Ovarian cancer	Pha	se 1b					
	Со	Cyclophosphamide	Rectal, Biliary tract, Colorectal cancer	Pha	ase 1b					
	Mono	_	GBM	Pha	se 1b					
	Со	KEYTRUDA®	TNBC KDDF KODF KODF KODF KODF KODF KODF KODF		Phase	1b/2				MERCK NE©IMMUNETECH
	Со	Avastin	Recurrent GBM		Phase 2a					
	Со	Temozolomide	GBM		Phas	e 2				I-MAB BIOPHARMA
Oncology	Mono		Solid Tumor		Phase 2a					<b>І-МАВ</b> віорнаяма
	Mono	-	GBM		Phase	1/2				JOHNS HOPKINS UNIVERSITY
	Со	Temozolomide	GBM		Phase	1/2				Washington University in St.Louis SCHOOL OF MEDICINE
	Со	Tecentriq <sup>®</sup>	High risk skin cancer	F	Phase 1b/2	a				Roche cancer immunotherapy trials network
	Со	KEYTRUDA <sup>®</sup>	TNBC, Lung, Pancreatic, Colorectal cancer	F	Phase 1b/2	a				<b>♦ MERCK</b>
	Со	Opdivo®	Gastric, GEJ, and Esophageal Adenocarcinomas		Phas	e 2				ر <sup>اا</sup> Bristol Myers Squibb ّ
	Co	Kymriah®	Diffuse large B-cell lymphoma		Phase 1b					
-	Mono	-	Idiopathic CD4 <sup>+</sup> T Lymphopenia	Under IND	) submissi	on				
Infectious	Со	Vaccine	Preventative vaccine (Elderly cancer survivors)	Phas	se 1/1b					NIH NATIONAL CANCER INSTITUTE
Disease	Mono	Standard treatment	COVID-19 infected patients	Pha	ase 1b					
	Mono	Standard treatment	COVID-19 infected patients	Ph	ase 1					NIH NATIONAL CANCER INSTITUTE

Genexine



hyFc<sup>TM</sup>

GX-H9 & GX-E4



## 12 H9 & E4: Ph3 in progress

# **GX-H9: Long-acting Growth Hormone** (Growth hormone deficiency)

Growth hormone deficiency, weekly and biweekly injection

#### **License-out Status**

- Co-development with Handok(2012) targeting Worldwide
   (except Greater China)
- To IMAB (2015) targeting Greater China

#### **Clinical Trial & Development Timeline**

- IMAB: China Ph3 IND approved (October 2020)
  - Global scale clinical trial: N=224

# **GX-E4: Long-acting Erythropoietin**(Anemia)

 3<sup>rd</sup> Gen. EPO product biweekly injection long acting anemia treatment induced by chronic renal failure

#### **License-out Status**

- To KG bio(2015) targeting ASEAN 10 countries, Australia, NZ, and MENA
- To CWB (2016) targeting China

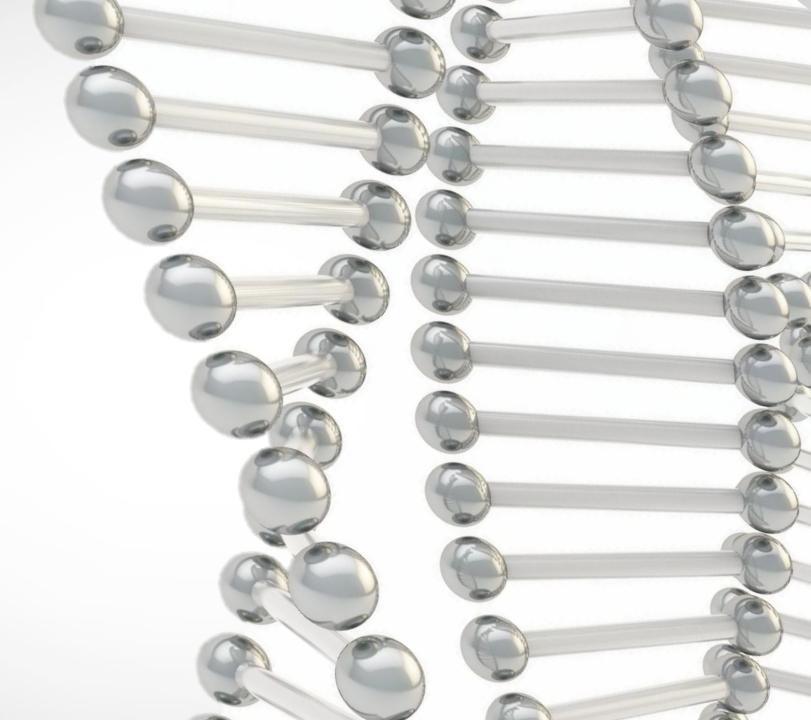
#### **Clinical Trial & Development Timeline**

- KG bio: Multi-national Ph3 trial in progress 2020
  - Ph3 in 6 countries: Australia, Taiwan & Indonesia, Malaysia,,
    Thailand Philippines
  - Global scale clinical trial: N=386



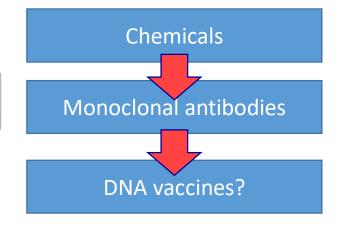
**DNA Vaccine** 

GX-188E
Papitrol-188
HPV Therapeutic
DNA Vaccine



### **Blockbuster drugs**

DNA Vaccine Future



Commercialzed

**DNA** vaccine

for animals

immunization with HBV.

**HPV DNA vaccine in** 

humans (2004)

- DNA vaccine for human will be commercialized soon
- DNA vaccine for infectious diseases and cancer can be available
- / DNA vaccine will emerge as pharmaceutical blockbuster

DNA Vaccine
Development
history

Therapeutic
licensing out,

First in-human

phase 1 trial of

**HIV-1** preventive

Genexine licensing out, HPV/HSV vaccine (2014)

Vical.

licensing out,

CMV vaccine

**Prostate** 

Cancer/HBV

(2013)

GENEXINE's

First commercialized

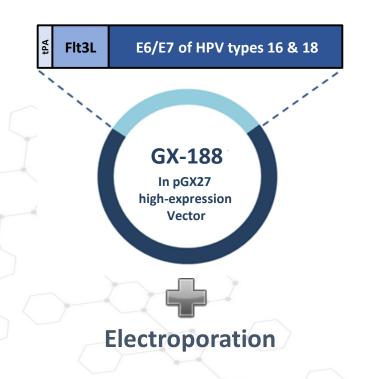
human DNA vaccine

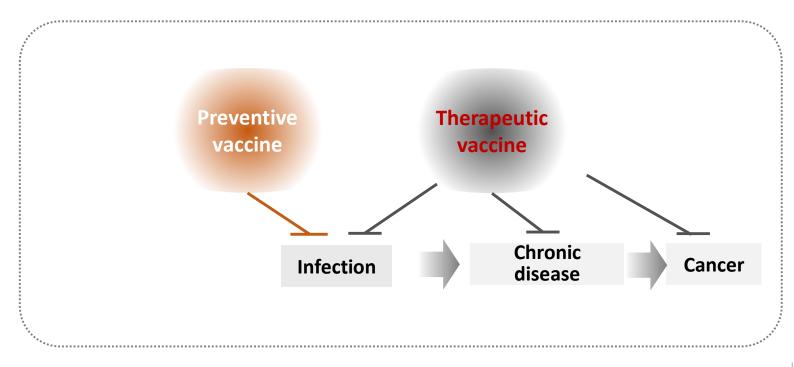
Inovio, licensing out, HPV-associate Cancer (2015)

## **14** GX-188E: The first Therapeutic DNA Vaccine

### Therapeutic DNA vaccine, pioneering the paradigm shift

- DNA vaccine aimed to treat HPV 16/18-induced diseases; Plasmid DNA-based using EP
- Induce selective immune responses by T cells to HPV-specific antigen
- Dramatic increase in efficacy as combination therapy with CPI





## 15 GX-188E: over \$7.5 bn market potential

#### **HPV** induced cancer

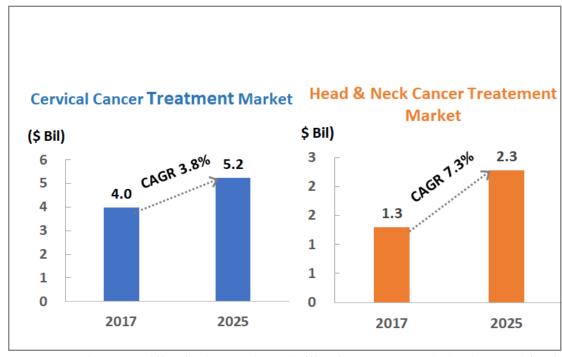
• Globally greater than **300 million HPV infected cases.** 

	Cervical	Head and neck	Anogenital
Global new cases / yr		142 k	44 k
Death / yr 270 k		98 k	6 k
HPV type	16/18 (70%)	16(63%)	16 (72%)

(Source: CDC, hpvcentre.net, WHO IARC)

#### **Potential Market**

Globally 7.5 bn. Market potential in 2025



Source: Grand View Research\*(2019), Coherent Market Insights\*\*(2019)

Source: Allied Market Research (2019)

## 16 GX-188E: High efficacy and safety results (with Keytruda)

- Interim analysis reported (KEYNOTE-567) at AACR in April 2020, Results from clinical trial phase 2 for combination with Keytruda
  - Efficient HPV-specific immune responses induced in 78% of patient.
  - Excellent safety and tolerability (\*similar side effects observed in Keytruda mono. and combination therapy).

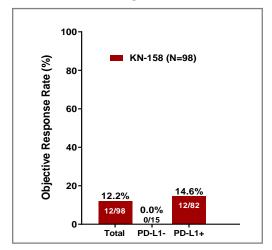
#### **Ph2 Interim Result**

ODD	Cffice over the	PD-L1 s	status <sup>b</sup>	HPV type		
ORR Efficacy set (%) (N=26)		Positive (N=20)	Negative (N=6)	HPV16 (N=19)	HPV18or both (N=7)	
CR	4 (15.4)	4 (20.0)	0 (0.0)	4 (21.1)	0 (0.0)	
PR	7(26.9)	6 (30.0)	1 (16.7)	5 (26.3)	2 (28.6)	
SD	4 (15.4)	3 (15.0)	1 (16.7)	3 (15.8)	1 (14.3)	
PD	11 (42.3)	7 (35.0)	4 (66.7)	7 (36.8)	4 (57.1)	
ORR	11 (42.4)	10 (50.0)	1 (16.7)	9 (47.4)	2 (28.6)	
DCR	15 (57.7)	13 (65.0)	2 (33.3)	12 (63.2)	3 (42.9)	

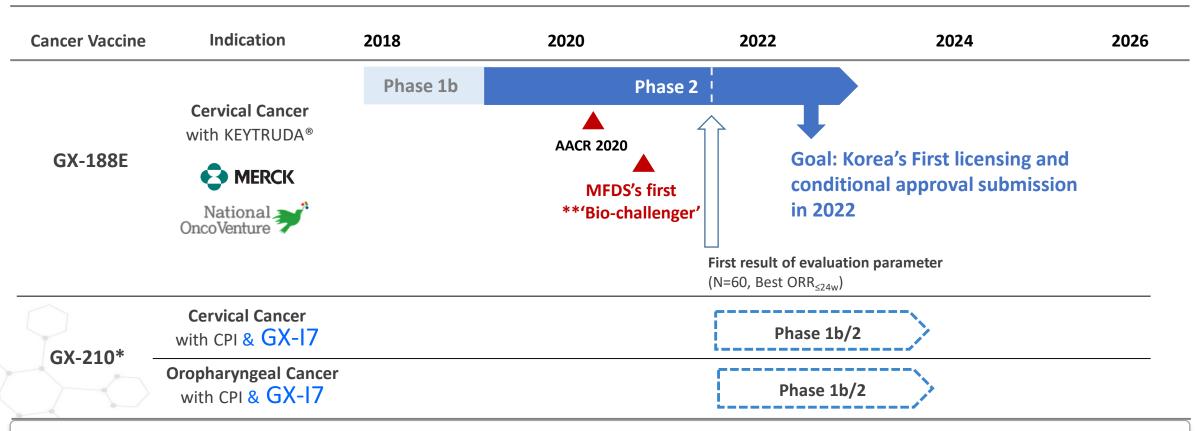
### Monotherapy of Keytruda (KEYNOTE-158, N=98)

• PD-L1-positive : ORR 14.6%

• PD-L1-negative: no ORR



## 17 GX-188E: Clinical Trial & Development Timeline



<sup>\*</sup>Next Generation of HPV DNA Vaccine: semi-personalized vaccine

- \*\*Bio Challenger program
  - MFDS selected Genexine's GX-188E as the first "Bio-Challenger" in June 2020.
  - MFDS provides overall specialized services by assigning dedicated personnel for fast processes in registration, review, etc.



GX-19 SARS-CoV-2
Preventive DNA Vaccine



## **18** GX-19: Pipeline of COVID-19 vaccine candidates



Genexine, Korea's 1<sup>st</sup> and global 15<sup>th</sup> approval for clinical studies

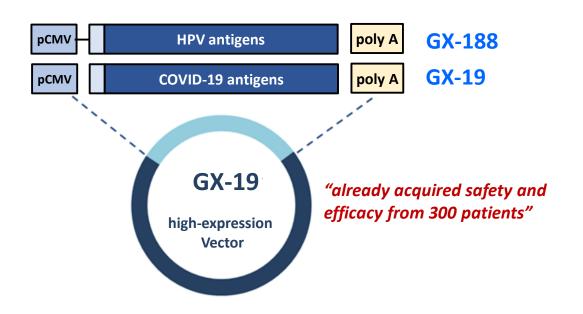
**DNA Vaccine characteristics** 

Fast development of the candidates – Manufacturing process is simple fast

Over 460 clinical studies proved Safety, simultaneous responses of neutralizing antibody (Th1-biased) cellular immune responses

	comparison			R	NA vaccine		DNA vaccine	
		Manufa	acturing	in vi	tro (no host cell)	Cı	ultivaton of E.coli as host	
	Expression of antigen per nucleic acid molecule				High		In theory single DNA can produce more RNA, therefore it generates more antigens.	
	Risk in inserting into chromosome				None	Possible in th	Possible in theory but does not happene in real	
	Condition	s in order to ex	press antigen within a cell	Must e	xile from endosome	Need	ls to penetrate into nucleus	
	Optimization of deliveration		Need to be resolved (several methods are in trial)		Need to be resolved (several methods are developed)			
	Toxicology		Needs to proven from more studies		Safety confirmed from various clinical studies			
7	Storage		Deep freeze ( −70 °C)		Room	temp. or refrigeration(~4°C)		
	Others	Virus-vector Vaccine	<ul><li>AstraZeneca(Oxford): Ph3</li><li>CanSino(Tianjin): Ph3</li></ul>	Subunit Vaccine	<ul><li>Novavax Pfizer : Ph3</li><li>SK Bioscience</li></ul>	Inactivated Vaccine	<ul><li>SinoPharm(Wuhan): Ph3</li><li>SinoVac(Beijing): Ph3</li></ul>	

### **19** GX-19: the first DNA vaccine for COVID-19

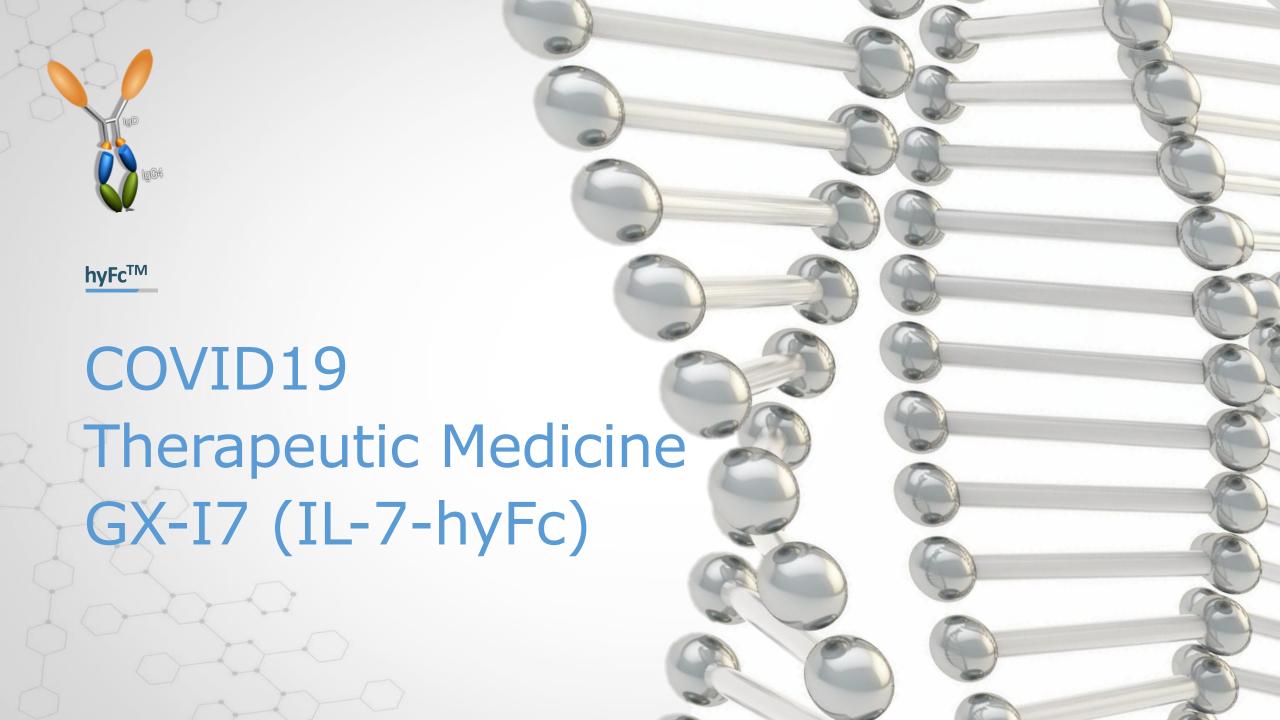


### **GX-19 Development Timeline**

- Mar 2020 : Consortium formation among six institutions
   (Genexine, Binex, IVI, GenNBio, KAIST, POSTECH)
- June 2020 : Ph1/2a MFDS approved.
- 4Q 2020: Ph1 completion and Ph2a start
- 3Q 2021 : Conditional approval submission

### **GX-19 Development Outline/Overview**

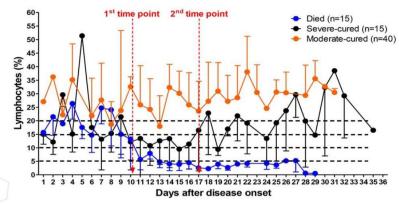
Туре	DNA vaccine
Code	• GX-19-HV- 001
Number of subjects	<ul> <li>Phase 1: N=60 (20 per dose group)</li> <li>Phase 2a: N=150 (100/placebo 50)</li> </ul>
Study objectives	Evaluate the safety, tolerability, and immune response of doses
Target subjects	<ul> <li>Healthy adults aged 19 ~ 50</li> </ul>
Vaccination frequency and method	• Intramuscular injection (2 injections/4 weeks)
Delivery devices	<ul><li> Electroporator, EP</li><li> Needle free injection system</li></ul>
Clinical sites	6 institutions including Severance Hospital



### 20 IL-7: lymphopenia correction is key to the COVID-19 treatment

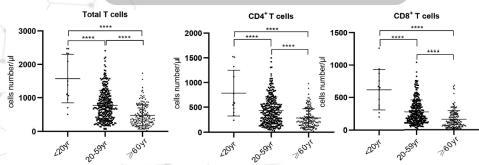
# Interleukin-7 increase T cell counts from the lymphopenia induced by COVID-19 infection.

#### Level of T cell counts: survivors vs. non-survivors



Li Tan et al., Signal Transduct Target Ther. 2020 Apr 29;5:61.

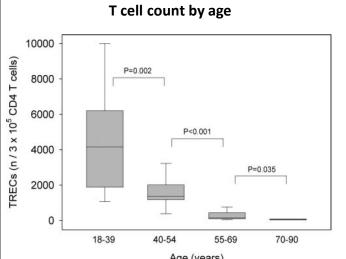
#### Lower T cell counts in elderly

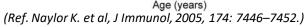


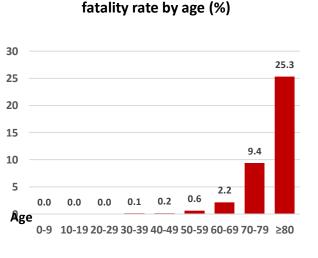
Diao B et al., Front Immunol. 2020 May 1;11:827.

Age over 80 fatality rate 25.3%) due to immune senescence.

- Elders have thymic involution which will cause decrease in T cell's proliferation and diversity.
- → exposure to additional viral infection due to compromised immune system which later can be develop to viral sepsis







(Ref. <a href="https://coronaboard.kr/en/">https://coronaboard.kr/en/</a> 8 August 2020)

## 21 GX-I7: developing as COVID-19 therapeutic medicine

### Genexine COVID-19 therapeutic medicine under development

API	Co development	СоА	Clinical Phase	Companies in development pipelines with same CoA
IL-7-hyFc (GX-I7)	NeoimmuneTech	T cell amplifier	Phase 1/2	Revimmune (CYT-107)
nAb	Y-Biologics	virus neutralization	Preclinical	Eli Lilly (LY-CoV555), Regeneron/Roche (REGN-COV2), Vir Biotechnology/GSK (VIR-7831), AstraZeneca (AZD7442), Brii Bio (BRII-196/BRII-198), Celltrion (CT-P59), Junshi Biosciences (JS016)

#### Other competing products in developments

- Based on Modality: Small molecule, anti-body, cell therapy, peptide/proteins, lipid /Polysaccharide etc.
- Based on CoA: Antiviral drug, Antithrombotic, Immunosuppressant, Immune modulator (including stimulator) neutralizing antibody, plasma, etc.

### Development timeline

- 2020, 2Q, IND approval by US FDA (NeoImmuneTech)
- 2020, 3Q, IND apporoval by Korea MFDS (Genexine)
- 2020, 4Q, Patient injection start (Multi-national)
- 2021, 1Q, Clinical Ph1/2 Interim result
- 2021, 2Q, Ph3 IND submittal

### 1) Developing drugs and biological products for treatment or prevention (FDA, 2020.5.)

### Clinical design in Korea

#### **Key Eligibility Criteria**

- ≥ 60 Aged
- PCR Confirmed patients of SARS-CoV-2 infection
- Asymptomatic or have mild symptoms according to FDA guideline<sup>1)</sup>
- Should be administered within 7 days if symptom onset

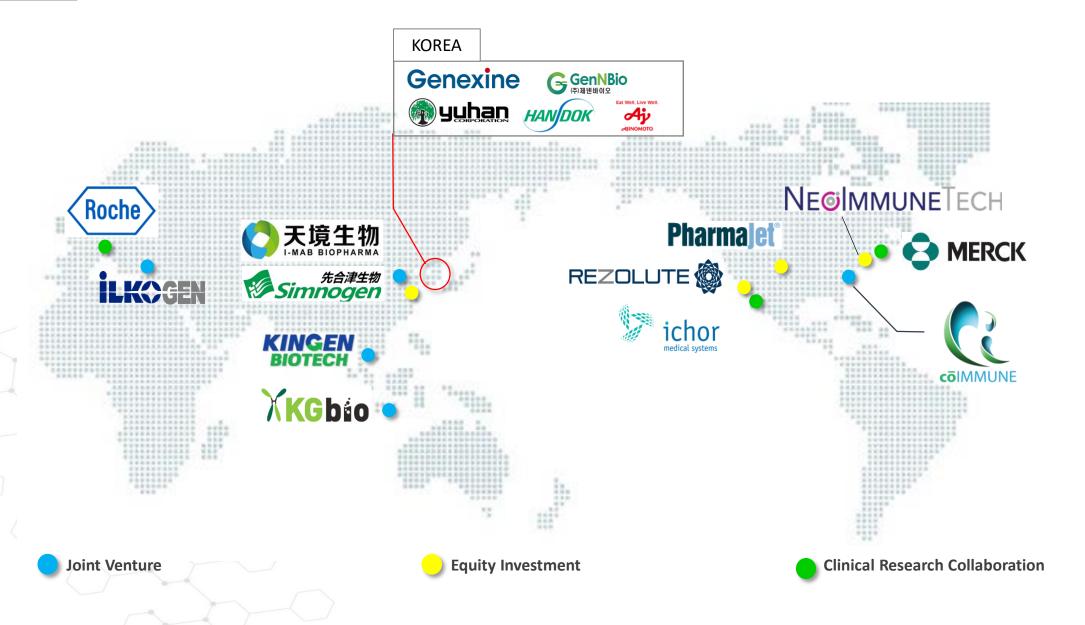
N=400 (1:1:1:1)

#### **Primary Endpoint**

- Clinical status assessed by a ordinal scale (WHO criteria) on Day 14
- Change of ALC



## 22 Global Partnership 1



# 23 Global Partnership 2

### **Corporate IPO Strategy & Status**

Company Name	Listing Date (Predicted)	IPO Market (Country)	Share	Market cap.
I-MAB Biopharma (CN)	Listed (2020. 01)	Nasdaq (US)	8.1%	\$ 2.9 bn
NeoImmuneTech (US)	2021	Kosdaq (KR)	25.4%	
Rezolute (US)	2021	Nasdaq (US)	31.1%	
Colmmune (US)	2023	Nasdaq (US)	33.0%	
KG BIO (Indonesia)	2024	Hong Kong (CN)	40.0%	

### **License-out Status**

Contract Date	Partner Company	Product	Territory	Total	Received
2014.07	BSK	GX-188E	China	\$5 M	\$3 M
2015. 01	I-Mab(Tasgen)	GX-H9, GX-G6, GX-G3, etc.	China	\$100 M	\$20 M
06	NeoImmuneTech	GX-17	Europe/USA	\$12.5 M	\$7.5 M
2016.02	CWB	GX-E4	China	\$44.5 M	\$3.8 M
03	KG Bio	GX-E4	ASEAN	\$3 M	\$3 M
2017.12	I-Mab	GX-17	China	\$560 M	\$12 M
2020.01	GenNBio	GX-P1, GX-P10	Worldwide	\$170 M	\$ 6 M
				SUM \$ 895 M	SUM \$ 55.3M

# 24 Genexine's Open Innovation brings financial returns

Various innovative product R&D

Joint Venture Establishment Technology
Transfer (L/O)

Cooperation of R&D and JV local trial

Increased
Technology Value

Increased JV Value



- 2016 founded / Shanhai, CN
- 2020.01 NASDAQ listed (IMAB)
- Market cap : \$2.9bn (Oct 2020)
- GX Investments: '17 \$36 million 8.1% share

### **Ne©IMMUNE**TECH

- 2014 founded / MD, USA
- 2021 KOSDAQ listing expected (applied for evaluation Aug '20)
- GX Investments : '14 \$45 million 25.3% share



- 2019 founded / CA, USA
- 2021 Nasdaq(US) listing expected
- GX Investments : '19 \$ 26 million 31% share
- Expected synergy effect
  - Rare disease
  - RZ358(innate hyperinsulinemia) in Ph2b



- '19 founded / Head office : NC, USA
- Previously Argos Therapeutics
- Investments: '19 \$13 million common share: 32%
- Expected synergy effect
  - Colmmune + Formula
     Phamaecuticals , strengthens
     immuno-oncology and CAR-T
     pipelines

# 25 Patent Info

### Patent status (as of Aug 2020)

	Korea	Global	Sum
All (Applied+registered)	37	147	184
Registered	11	68	79

### Patent registration recent 3 years ('17.11~20.10)

Technology category	Registered	Territory
Related to hyFc technology	7	EU, China, Hong Kong, Macau
Related to pipelines with therapeutic DNA vaccine	1	EU
Related to hyFc applied pipelines	16	Korea, US, Russia, Japan, Taiwan, Austrailia, Indonesia













## 26 Investment Highlights: "It's just beginning..."

### Pioneering bio industry to become a global leader

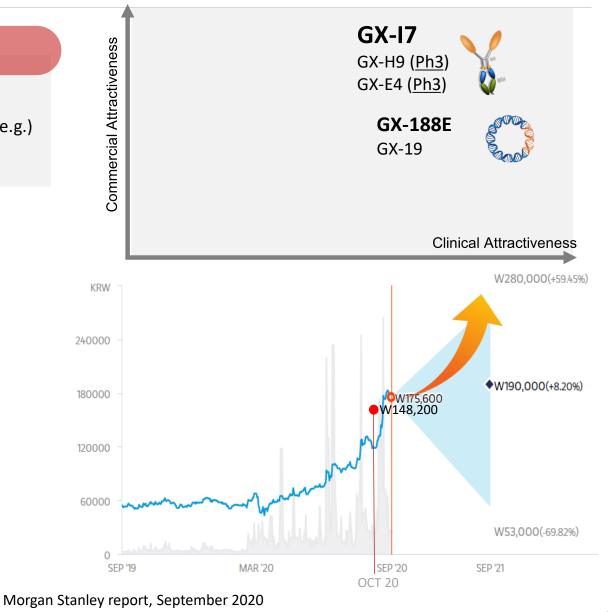
- GX-I7(T-cell), 188E(DNA vaccine) will bring greater value
- Open Innovation also brings us financial returns not fully reflected, e.g.)
   investment in IMAB

### **Development of novel Immuno-Oncology drug**

- GX-I7 several combination therapies clinical trials with global pharma: Merck(Keytruda), Roche(Tecentriq)
- Successful track records of global L/O and seeking further L/O opportunities with global partners

### **Development of advanced DNA vaccine**

- DNA vaccine platform technology will nurture more **pipelines**
- The global first therapeutic vaccine under development (GX-188E)
- The first in Korea, the Best in Global COVID-19 vaccine



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