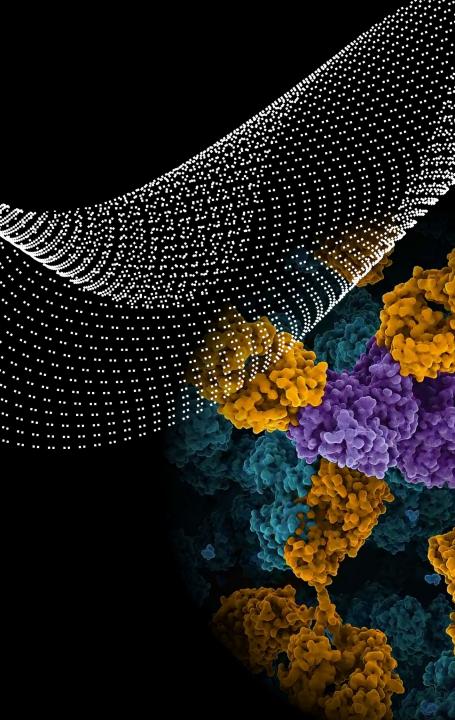


AI for drug development & potential applications to dermatology

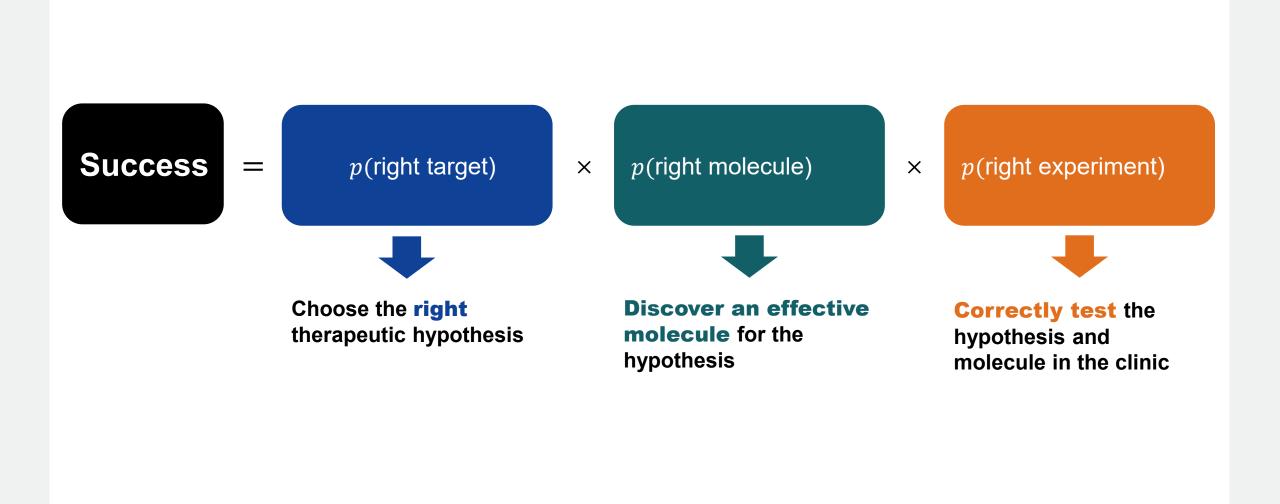
Gavin Koh PhD FRCP Executive Director, Clinical Development March 2025



Topics for Discussion

- What are the roles for AI in drug development?
- Generate's applications of AI to immunology targets
- Potential implications for drug development in Dermatology

AI is being applied to each stage of drug development



Goal: Address some of the fundamental challenges of drug discovery

Traditional drug discovery

From a laborious, high-cost exploration that in very rare cases leads to success...



Generate's drug generation

...To a

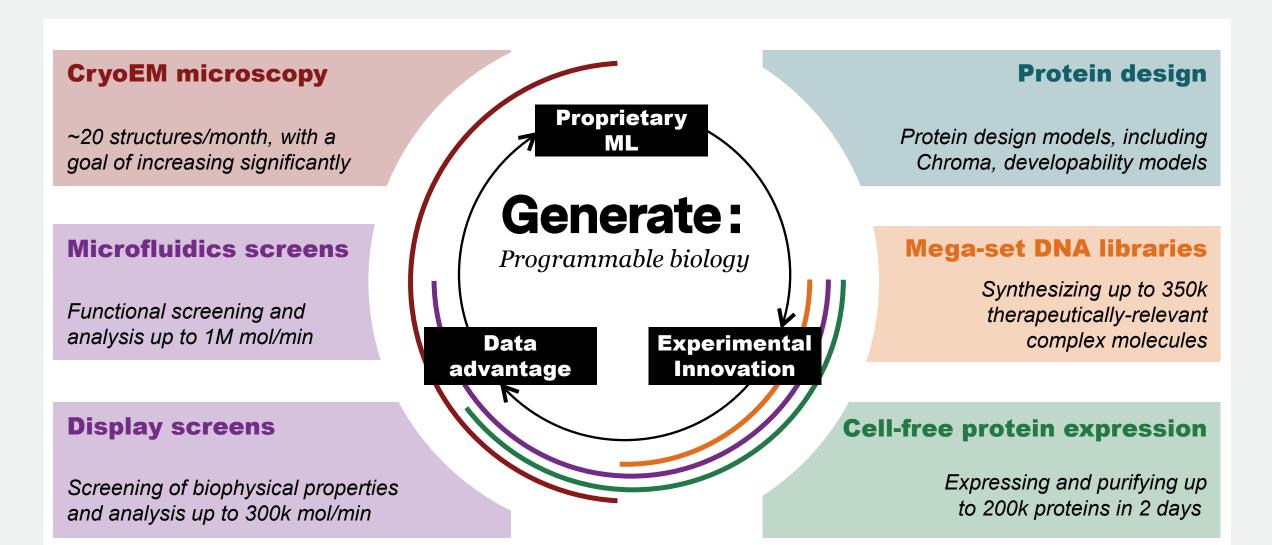
programmatic,
at-scale
prosecution
of a therapeutic
hypothesis with the
right tools

- Ability to bind to anything, generating molecules that answer a specific molecular question
- Modality-agnostic
- Prosecuting simultaneous hypotheses
- At-scale with high efficiency

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 Ultimately to achieve the desired therapeutic outcome every time

Lab in the Loop: end-to-end AI integration of wet- and dry lab data



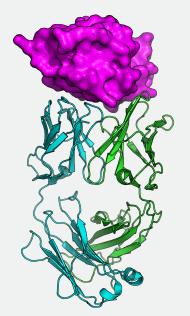
Technology applies the starting point appropriate for the biological and medical challenge under study

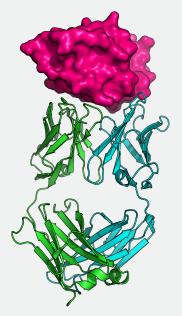
Structure

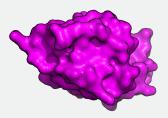
Partial Structure

No Structure (de novo)

E.g., Known antibody-antigen structure E.g., Known antibody-homolog structure E.g., Known antigen structure







New compositions, optimization

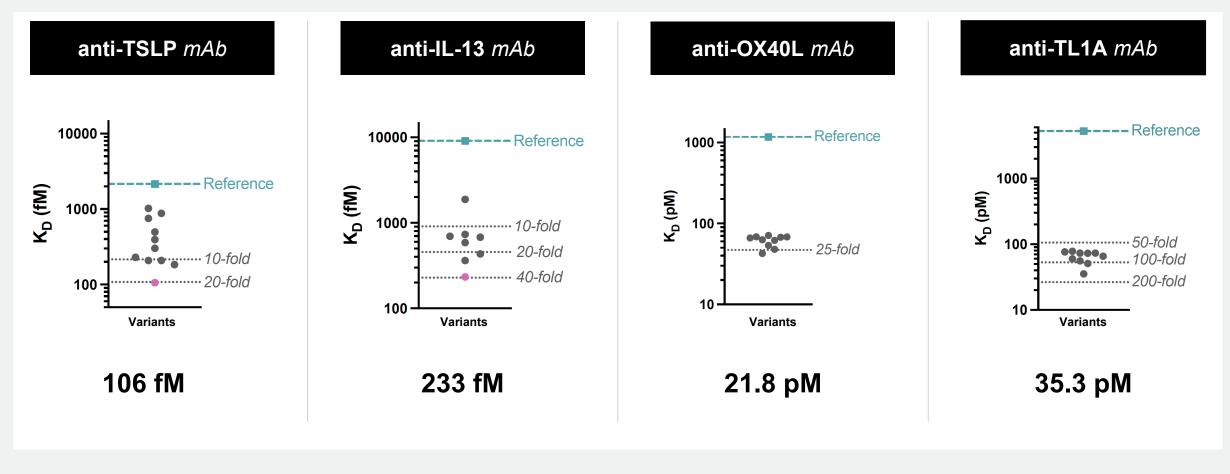
Generated biologics to any target

We have leveraged our Platform to create a robust, clinical stage pipeline

Program	Lead Indication	Target	Generating	IND-enabling	Phase I	Collabora	tions
IMMUNOLOGY							
GB-0895	Severe Asthma	TSLP					
GB-7624	Atopic Dermatitis	IL-13					
Coform and bispecific	Severe Asthma	TSLP x IL-13					
mAb	Ulcerative Colitis	TL1A					
mAb	Atopic Dermatitis	OX40L					
Bispecific	Ulcerative Colitis	TL1A x IL-23					
Mono & combo incl. bsAb		Various					
IMMUNO-ONCOLOGY							
Armored CAR-T	Advanced Solid Tumors	Undisclosed			-	ROSWELL PARK,	50:50
Bispecific	NSCLC	Undisclosed				MD Anderson Cancer Center	50:50
ADCs							
Protein binder	ADC Toxin Neutralizer	Free MMAE					
ADC	Advanced Solid Tumors	Undisclosed					
INFECTIOUS DISEASE							
GB-0669	Covid-19	SARS-CoV-2 S2					
mAb	Covid-19	SARS-CoV-2 RBD cl.IV					
UNDISCLOSED							
Amgen		6 ur	disclosed programs			AMC	EN
Novartis		Multiple	undisclosed programs			UNOVA	ARTIS

For known targets, antibody optimization is used **20–40x improvement** in affinity over other molecules while **retaining specificity and drug-like properties**

Select top hitsDevelopment candidate

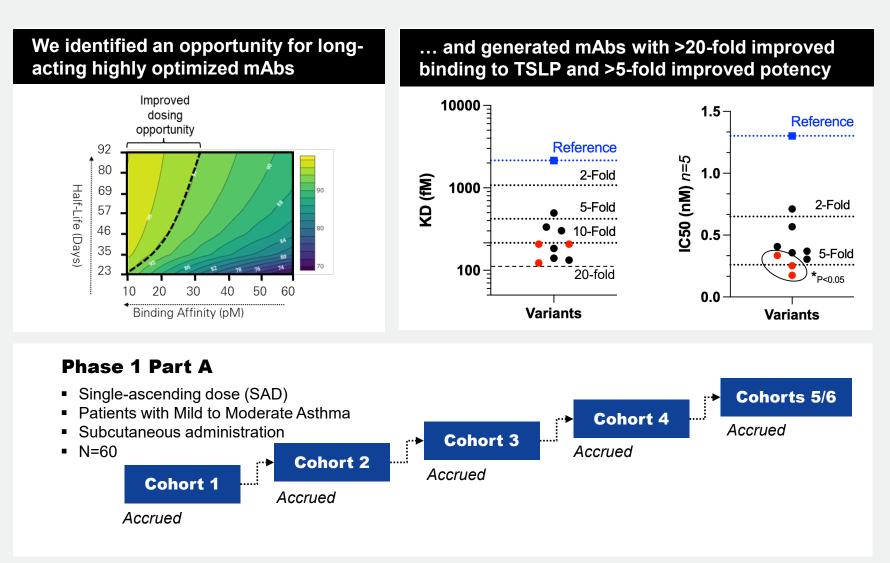


GB-0895, a Phase 1 anti-TSLP mAb for the treatment of **inflammatory** diseases

High affinity and potency anti-TSLP antibody, potential to significantly extend dosing regimen

Potential for development in Severe Asthma, Chronic Obstructive Pulmonary Disease, Chronic Rhinosinusitis with Nasal Polyps, Chronic Urticaria, and more

First patient dosed in December 2023

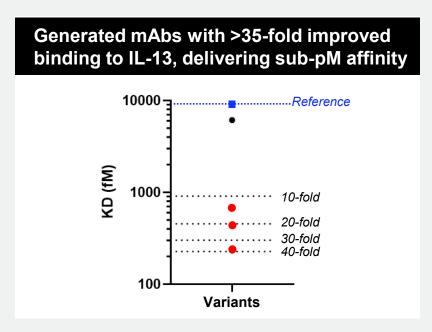


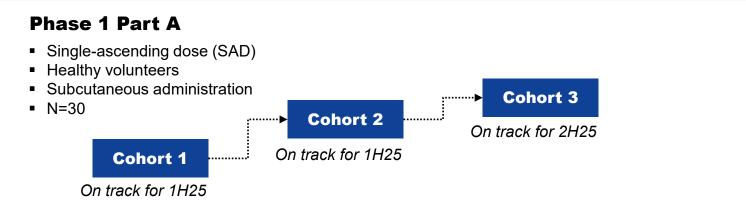
GB-7624 is an anti-IL-13 mAb combining **extended half-life** with **affinity optimization for a best-in-class profile**

High affinity IL-13 antibody, potential to significantly extend dosing regimen

Potential for development in Atoptic Dermatitis, and as a combination with TSLP, in severe Asthma and COPD

Expected to initiate Ph 1 in 1H 2025





Potential implications for Dermatology

- Improve patient quality-of-life by developing long-acting agents for targets with an excellent safety profile
- Improve efficacy through combinations and/or bispecifics for patients with difficult-to-treat disease
- Pursue targets that have posed challenges to the field, e.g. those with low immunogenicity or epitopes necessitating exquisite specificity
- Remaining challenges:
 - translatability of preclinical models
 - identification of targets from translational studies
 - patient selection (particularly for monos/combos) and heterogeneity

