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This presentation contains forward-looking statements. All statements other than statements of historical facts contained in this presentation, including statements regarding our future results of operations and financial position, business strategy, prospective products, product approvals, research and development costs, timing and likelihood of success, plans and objectives of management for future operations, and future results of current and anticipated products, are forward-looking statements.

In some cases, you can identify forward-looking statements by terms such as "may," "will," "should," "expect," "plan," "anticipate," "could," "intend," "target," "project," "contemplates," "believes," "estimates," "predicts," "potential" or "continue" or the negative of these terms or other similar expressions. These statements involve known and unknown risks, uncertainties and other important factors that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. These known risks and uncertainties are described in detail in our filings with the Securities and Exchange Commission (the "SEC") from time to time. Because forward-looking statements are inherently subject to risks and uncertainties, some of which cannot be predicted or quantified and some of which are beyond our control, you should not rely on these forwardlooking statements as predictions of future events. The events and circumstances reflected in our forward-looking statements may not be achieved or occur and actual results could differ materially from those projected in the forward-looking statements. Except as required by applicable law, we do not plan to publicly update or revise any forward-looking statements contained herein, whether as a result of any new information, future events, changed circumstances or otherwise. All forward-looking statements are qualified in their entirety by this cautionary statement, which is made under the safe harbor provisions of the Private Securities Litigation Reform Act of 1995 and we undertake no obligation to revise or update this presentation to reflect events or circumstances after the date hereof.

This presentation also contains estimates and other statistical data made by independent parties and by us relating to market size and growth and other data about our industry. This data involves a number of assumptions and limitations, and you are cautioned not to give undue weight to such estimates. In addition, projections, assumptions, and estimates of our future performance and the future performance of the markets in which we operate are necessarily subject to a high degree of uncertainty and risk.



Diversified Pipeline	• 5 clinical trials active and multiple data readouts over the next 18 months
World-Class Talent	 Deeply experienced leadership team with proven track record of developing innovative clinical assets

Deep Therapeutic Area Expertise Leads to Centers of Excellence



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Experienced Leadership Team at the Helm

Sheila Gujrathi, MD Chief Executive Officer	Bryan Giraudo Chief Financial Officer	Jakob Dupont, MD Chief Medical Officer	Luisa Salter-Cid, PhD Chief Scientific Officer	Christian Waage EVP and General Counsel
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	Sheila Gujrathi, MD CEO	Josh Bilenker, MD CEO, Loxo Oncology	Russell Cox President and CEO, Cardero Therapeutics	accomorbio
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Robust Pipeline with Five Active Clinical Trials

PROGRAM	CLASS (Route of Admin.)	INDICATION	RESEARCH	PRE- CLINICAL	PHASE 1	PHASE 2	PHASE 3	RIGHTS
GB001	DP2 Antagonist (Oral)	Moderate-to-Severe Eosinophilic Asthma	Phase 2b Ongoing	– LEDA Study		LEOASTUDY		Worldwide (except Japan)
GB001	DP2 Antagonist (Oral)	Chronic Rhinosinusitis (with and without nasal polyps)	Phase 2 Ongoing -	– TITAN Study	titan			Worldwide (except Japan)
GB001	DP2 Antagonist (Oral)	Chronic Spontaneous Urticaria	Phase 2 Planned					Worldwide (except Japan)
GB002	PDGFR Inhibitor (Inhaled)	Pulmonary Arterial Hypertension	Phase 1b Sites Init Phase 2/3 Planned	iated				Worldwide
GB004	HIF-1α Stabilizer ^(Oral)	Inflammatory Bowel Disease	Phase 1b Ongoing					Worldwide
GB1275	CD11b Modulator (Oral)	Oncology, Solid Tumors	Phase 1/2 Ongoing]				Worldwide





DP₂ Antagonist

Asthma and Other Allergic Conditions, including Chronic Rhinosinusitis (CRS) and Chronic Spontaneous Urticaria (CSU)

Product Description	 Oral DP2 antagonist in Phase 2b development for the treatment of moderate-to-severe eosinophilic asthma (LEDA Study – Initiated Q4 2018)
	 Proof of concept Phase 2 trial for chronic rhinosinusitis with and without nasal polyps underway (TITAN Study – Initiated Q2 2019)
	Asthma Phase 2 interim results expected in 1H20; Asthma Phase 2 topline results in 2H20; CRS Phase 2 topline results in 2020
	• 409 patients have received at least 1 dose of GB001 with no clinically significant safety findings ⁽¹⁾
	 Patent protection out to 2031⁽²⁾

 DP2 important in Th2 cell activation 	n and upstream of	IL-4, IL-5 and IL-13
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Mechanism of Action and Scientific Rationale

- The cell activation plays prominent role in asthma and other allergic and inflammatory disorders
- Target validation from Teijin's Phase 2 study in Japanese patients and Novartis's fevipiprant program

GBOOT

 Anti-inflammatory effect comparable to certain biologics with potential to be used earlier in treatment

CRS = Chronic Rhinosinusitis.

As of December 31st, 2018.

2) Includes assumption of maximum 5 years of patent term extension. Corresponding patent(s) and patent application(s) with compound-specific claims.

Role and Biology of the DP2 Pathway in Type 2 Inflammation



GB003

9 Sources: Domingo, Respiratory Research 2018; Singh, Clinical Pharmacology: Advances and Applications 2017; Farne, Expert Opinion on Emerging Drugs 2016; Stone, J Allergy Clin Immunol 2010; Saunders, Sci Transl. Med. 2019.

Japanese Phase 2 Study Demonstrated Statistically Significant Improvements in Time-to-First Asthma Worsening

Both doses of GBoo1 met the primary endpoint of change in morning peak expiratory flow with statistical significance vs placebo



High Eosinophil Population (\geq 300µL) 100 90 Asthma Worsening Rate (%) 80 70 Placebo (n=24) 60 50 GB001 5 mg (n=17) 40 30 20 10 GB001 20 mg (n=22) Days₀ 28 56 70 84 98 14 112 126

p-value (log-rank test) for placebo vs 20mg GB001 is
 o.ooo3 for the high eosinophil subgroup (≥300µL)

pbo = placebo.

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*Cox Regression.

Definition of asthma worsening

For 2 or more consecutive days, AM PEF (morning peak expiratory flow) ≤ 0.75 x mean level of AM PEF for the last 7 days of Run-in Period

2. FEV1 (forced expiratory volume in one second) \leq 0.8 x at the randomization time point

3. For 2 or more consecutive days, using SABA (short-acting beta agonist) at a dose of 5 puffs/day

4. Asthma Control Questionnaire (ACQ) \geq ACQ at the randomization time point + 0.5

5. Having had asthma exacerbation requiring administration of oral corticosteroids or step 2 or higher treatments of Japan Guidelines 2012 steps of asthma attacks



Beyond Eos: Potential for Target Market Expansion



Poster Presentation at AAAAI 2019

Reduction of Exhaled Nitric Oxide by the DP2 antagonist GB001 in Patients with Mild-Moderate Atopic Asthma

Results from a post-hoc analysis evaluating Fractional exhaled Nitric Oxide (FeNO) as a baseline marker and outcome following administration of GB001 or placebo over 28 days in 36 subjects with partially controlled, atopic asthma



DP2 Antagonism in Asthma Has Evidence of Clinical Validation

	Select Clinical Studies in Asthma*					
	Oral (Mild-to-Mod. Asthma)		Biologics (Modto-Severe Asthma) 12-month e		xacerbation studies	
	DP2 antagonist GB001	DP2 antagonist ³ Fevipiprant	anti-IgE ⁴Omalizumab	anti-IL-5 ⁵Mepo, ⁶ Benra, ⁷ Rezi	anti-IL4R ⁸ Dupilumab	
Annualized exacerbation rate reduction vs placebo (%)	TBD (~50% reduction in asthma worsening, steroid withdrawal setting) ¹	30 to 50% Targeted Profile, 52 weeks	38 to 60%	28% to 59%†	66 to 67%†	
FEV1 change from baseline difference vs placebo (mL)	102 ml ² week 4	77 to 164 ml^ week 12	21-98 ml week 16	52 to 137 ml Week 12 / 16†	210-260 ml week 12†	
			Select Biomarker Data*			
FeNO reduction from baseline	+++	-	-	-	+++	
Reduction in blood eos. from baseline	+	+	++	++++	+	
Reduction in sputum eos. from baseline	Not Available	+++	+	++++	++	

Note: Results need to be interpreted within context of different trials, study populations, disease severity, study designs, timepoints, and analysis methodologies.

DP2 receptor pathway plays an important role in Type 2 inflammation.

Oral DP2 antagonists have the potential to generate anti-inflammatory effects comparable to biologic therapies.

*Clinical trials were not conducted head to head. † Eosinophilic phenotype.

- 12 ^ Study defines high eosinophil levels ≥250 cells/µL. Targeted efficacy profile studied with GINA step 4/5 patients.
- 1) Phase 2 in Japanese patients with mild-to-moderate eos. asthma.
- 2) Ortega H, et al. Reduction of Exhaled Nitric Oxide by the DP2 antagonist GBoo1 5) in Patients with Mild Atopic Asthma. Presented at: 2019 AAAAI Annual Meeting; 6) 2019 Feb 21-25; San Francisco. 7)
- 3) Bateman E et al, Eur Respir J, 2017; and Novartis 2018 R&D and investor update. 8)
- 4) Omalizumab pediatric supplement application.
 - Mepolizumab USPI
 - Benralizumab USPI
 - Resilizumab USPI.
 - Dupliumab USPI.



GB00,

LEDA Study: Phase 2b Study Design Allows for Efficient Transition to Phase 3





A Phase 2b, randomized, double-blind, placebocontrolled, dose-ranging, multicenter study to evaluate the efficacy and safety of GBoo1 as maintenance therapy in adult subjects with moderate to severe asthma

> Status: Enrolling, Initiated Q4:2018



Interim analysis after ~320 subjects complete week 24 or prematurely withdraw from the study (expected in 1H 2020)		
Patient Population	480 adult modto-severe eosinophilic asthmatics (eosinophil counts \geq to 250 cells/µL)	
Treatment	6omg, 4omg, 20 mg or placebo, oral administration (QD) on top of background therapy	
Duration of Treatment	24 weeks	
Endpoint	Primary: Reduction in asthma worsening from baseline; asthma worsening composite primary endpoint includes changes in FEV1, AM PEF, rescue medication use, asthma control and severe asthma exacerbations Secondary: FEV1, asthma control, asthma quality of life	

Upcoming Data Readouts for DP2 Antagonists

- Phase 2b LEDA study designed to enroll a targeted patient population with the most relevant endpoint
- Limited readthrough from near-term ZEAL readouts because of less severe, more heterogeneous study population and more difficult primary endpoint (difference vs. placebo in FEV1 reduction from baseline at 12 weeks in all comer population)

GB003



Potential for Market Asthma Positioning Prior to Biologics



GB003

Asthma Controllers

TITAN Study: Phase 2 Proof of Concept in CRS With and Without Nasal Polyps

• TITAN STUDY

A Phase 2, signal seeking, randomized, double-blind, placebo-controlled, doseranging, multi-center study to evaluate the efficacy and safety of GBoo1 in combination with intra-nasal steroids in adult patients with CRS

> Status: Enrolling, Initiated Q2:2019



Patient Population	~64 adult patients with CRS with nasal polyps; ~36 adult patients with CRS without polyps
Treatment	40mg or placebo, oral administration (QD), on top of intra-nasal steroids
Duration of Treatment	16 weeks
Endpoint	Primary: SNOT-22 (Sino-Nasal Outcome Test-22) Secondary: Opacification of sinuses as measured by CT scan, Nasal Polyposis Score (in subset with NP), Nasal Congestion, Incidence of TEAEs, Labs, ECG, vital signs



GBOOJ

QD = once daily dosing; NP = nasal polyps; TEAEs = treatment-emergent adverse events; ECG = echocardiogram.



PDGF Receptor Kinase Inhibitor

Pulmonary Arterial Hypertension (PAH)

To Be the First Treatment for PAH with Disease-Modifying Effects	0002
 Selective, inhaled PDGF receptor kinase inhibitor to address the disease pathogenesis of PAH 	
Active Phase 1b trial in PAH with expected readout in 1H 2020	
 Planned Phase 2/3 trial in PAH, initiating in 2H 2019, with expected readout in 2H 2021 	

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• Patent protection out to 2034⁽¹⁾; Orphan Drug Designation from FDA and EMA

	• PAH underlying pathology driven by abnormal cell proliferation related to lung small blood vessels
	 Activated PDGF receptor induces cellular proliferation and is known to be upregulated in PAH
Mechanism of Action and Scientific	 Kinase inhibition was shown to be clinically significant in Phase 3 PAH trial of imatinib (Gleevec), with systemic toxicities
Rationale	 GBoo2 has improved selectivity vs PDGF receptor β compared to imatinib and has demonstrated hemodynamic improvements and reduced occlusive lesions in animal models
	 Inhaled delivery of GBoo2 designed to improve side-effect profile (compared to imatinib), provide convenient administration, and maximize drug delivery to lung

18 1) Does not include available patent term extension. Corresponding patent(s) and patent application(s) with compound-specific claims. Total patent life with patent term extension cannot exceed 14 years from approval.

Product Description

PDGF Pathway Drives Pulmonary Arteriolar Remodeling – an Underlying Problem in PAH



- PDGF signaling causes overgrowth of cells in lung blood vessels
- PDGF Receptor is activated by phosphorylation in human PAH

19 Sources: Hopper, et al., Circulation, 2016; Chen et al., BMC Genomics, 2016.

AKT = protein kinase B; TGFb = transforming growth factor beta; NF_k β = nuclear factor-kappa beta; BMP = bone morphogenetic protein.



- BMPR2 dysregulation can lead to endothelial changes to smooth muscle like cells
- PDGFR inhibition modulates BMPR2 in pulmonary artery smooth muscle cells
- Primary lesions occur in the small blood vessels of the lung (pulmonary arterioles)



GBoo2 Improves Hemodynamics and Reverses Vascular Remodeling Through Inhibition of PDGF in Animal Models



Dose dependent hemodynamic improvement seen in animal models Pre-Clinical Data of Histology Samples From Rat Model of PAH



GB002

- GB002 inhibits both PDGF α and β , and inhibited and reversed cell overgrowth in lung blood vessels in PAH in a rat model
- Rat model replicates many features of human PAH, including the abnormal cell proliferation that can block the small vessels of the lung

Imatinib Demonstrated Clinical Proof of Principle for Targeting PDGF in PAH in the Phase 3 IMPRES Trial

Imatinib Mesylate as Add-on Therapy For Pulmonary Arterial Hypertension Results of the Randomized IMPRES Study

- Imatinib mesylate, as add-on therapy in PAH patients who remain inadequately treated on at least two PAH-specific drugs, improves exercise capacity and hemodynamics
- Of 202 patients enrolled, 41% had failed three classes of therapies
- Serious adverse events, including 8 subdural hematomas and high drop-out rates





CBOO



22 ETAR = endothelin receptor type A; FC = Functional Class; PDEV = phosphodiesterase type V; SGC = soluble guanylate cyclase. Sources: 2015 ESC/ERS Guidelines

PAH Therapies

Active Phase 1b Study in Pulmonary Arterial Hypertension

A Phase 1b, signal seeking, placebocontrolled, dose-ranging study to evaluate the safety and pharmacokinetic profile of GBoo2 in adult patients with PAH

Randomization Evaluation Screening 2 wks CB002 Placebo

Gpoo

Patient Population	Adult PAH patients
Treatments	Multiple doses of GB002, placebo
Duration of Treatment	2 weeks
Key Study Objectives	Safety, tolerability, PK profile, peripheral blood biomarkers, markers of disease modification through imaging
Endpoints	AE Profile, changes in safety lab values, PK parameters, NTproBNP, Right Ventricular Ejection Fraction (based on cardiac MRI), high resolution CT Scan reconstruction of pulmonary vasculature

Status: Sites Initiated Q3:2019



Hypoxia Inducible Factor 1^{α} (HIF- 1α) Stabilizer

Inflammatory Bowel Disease (IBD), including Ulcerative Colitis (UC) and Crohn's Disease (CD)

Product Description	 Oral, small molecule, gut-targeted, prolyl hydroxylase inhibitor that for the treatment of IBD
	• Phase 1b trial in UC ongoing, initiated in 2Q 2019, with expected readout in 1H 2020
	 Planned Phase 2 trial in UC, initiating in 1H 2020, with expected readout in 1H 2022
	• Patent protection out to 2035 ⁽¹⁾

GB00

Mechanism of Action and Scientific Rationale	 Designed to restore epithelial barrier function, in addition to immunomodulatory effects
	 High degree of hypoxia in inflamed gut due to vascular disruption and chronic inflammation
	 HIF-1α stabilization restores epithelial barrier function and exerts innate immunomodulatory effects, which is expected to reduce inflammation and enhance mucosal healing in human IBD
	 GBoo4 stabilizes hypoxia inducible factor (HIF-1α) locally, and has been shown to reduce weight loss and restore epithelial barrier function in animal models of IBD

IBD = inflammatory bowel disease.
 Includes assumption of maximum 5 years of patent term extension. Corresponding patent(s) and patent application(s) with compound-specific claims.

Mechanism of PHD Inhibitor to Restore Epithelial Barrier Function



- IBD represents a state of chronic tissue injury
- HIFs play an important role in protecting cells in times of stress and low oxygen levels
- GBoo4 inhibits PHDs, which break down HIFs, preferentially stabilizing HIF-1α
- HIF-1α stabilization in IBD leads to two primary effects: restoration of epithelial barrier function and immunomodulation
 - HIF-1α expression leads to increases in genes known to promote epithelial integrity and mucosal barrier function
 - Additionally, HIF-1α is thought to be critical for regulatory immune cell function, and its stabilization can lead to reduced inflammation
- GBoo4 is gut-targeted, and has thus far avoided systemic effects of other PHD inhibitors, including erythropoiesis

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Oral GBoo4 Demonstrates Restitution of the Epithelial Barrier and Effects on Mucosal Healing in TNBS-Induced Colitis Model

CB00



* p<0.01 compared to all other groups

GBoo4 Represents a New, Potentially Transformative Approach in UC



- Current IBD therapies typically target the "overactive" immune response
- Rates of clinical remission, mucosal healing, and durability remain suboptimal even with available therapies
- Development of GBoo4 will occur within the context of a changing treatment paradigm, evolving regulatory endpoints, competitive clinical trial environment, and the imperative for differentiation in a crowded market

Depending on clinical profile, GBoo4 is well suited as a pre-biologic therapy for the mild-moderate disease activity segment as monotherapy or in combination

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Ongoing GBoo4 Phase 1b in Ulcerative Colitis to Allow for PK Assessment in Patients and Potential Initial Assessment of Biological Effect

A Phase 1b, signal seeking, placebocontrolled, dose-ranging study to evaluate the safety and pharmacokinetic profile of GBoo4 in adult patients with UC

> Status: Enrolling, Initiated Q2:2019



CB00



CD11b Modulator

Solid Tumors

GB1275: Opportunity to Improve Response to Cancer Therapy through Targeting Multiple Myeloid Immunosuppressive Mechanisms of Action

Product Description	 Oral, small molecule, CD11b modulator for the treatment of solid tumors Ongoing GB1275 Phase 1/2 trial, both as monotherapy and in combination with anti-PD-1 or chemotherapy, targeting selected solid tumors; Phase 1 readout expected in 2H 2020; Phase 2 readout expected in 2H 2021 Patent protection out to 2036⁽¹⁾ 	
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Disrupts multiple immunosuppressive myeloid cell subsets, including MDSCs and TAMs
Efficacy observed as single agent and synergistically in combination with chemotherapy and

Mechanism of Action and

Scientific

Rationale

- Preclinical data suggest differentiation from other approaches targeting immunosuppressive mechanisms
- Opportunity to target immuno-oncology resistant tumors including PDAC, CRC, TNBC, CRPC and others

PDAC = pancreatic ductal adenocarcinoma; CRC = colorectal cancer; TNBC = triple negative breast cancer; CRPC = castrate-resistant prostate cancer, MDSC = myeloid-derived suppressor cells, TAM = tumor-associated macrophage.

 Does not include available patent term extension. Corresponding patent(s) and patent application(s) with compound-specific claims. Total patent life with patent term extension cannot exceed 14 years from approval.

MDSCs and M2 Macrophages Generate an Immunosuppressive Tumor Microenvironment and Hinder Response to IO Agents



CD11b expressed on myeloid cells

- Monocytes
- Neutrophils
- MDSCs
- Tumor associated macrophages

- Targeting MDSCs or M2 macrophages is one of the key strategies to help overcome resistance to T-cell activating therapies in the clinic
- **GB1275** mediated CD11b modulation Impacts myeloid cell recruitment and macrophage polarization at the tumor site
- **GB1275** is a first-in-class agent that can impact both MDSCs and M2 TAMs in the tumor microenvironment



Mac1 = CD18/CD11b Integrin



GBS

GB1275 Pre-clinical Data: Single Agent and Combination Activity



COR

A Phase 1/2, doseranging, signal seeking, clinical trial of GBoo2 in adult subjects with various types of solid tumors, including PDAC, gastric, esophageal, prostate, TNBC and CRC

Phase 1 of GB1275

3 Dose Escalations: Monotherapy Anti-PD1 combo Gem / Abraxane combo



Phase 2 of GB1275

CONDI

3 Expansion Cohorts: 1L mPanc (+ chemo) 2-4L MSS CRC (+ anti-PD-1) 3-4L PDL1+ Gastric (+ anti-PD-1)

Status: Enrolling, Initiated Q3:2019

Patient Population	Targeting IO resistant tumor types including: Adult solid tumor patients with pancreatic cancer, gastric cancer, esophageal cancer, prostate cancer, triple negative breast cancer, and colorectal cancer		
Treatments	Multiple doses of GB1275		
Key Study Objectives	PK / PD, safety, tolerability, efficacy signals		

Financial Highlights and Milestones

Cash, Cash Equivalents and Marketable Securities	\$464.omm
Debt (Initial tranche of \$150 million debt facility, announced 5/2/19)	\$30mm
Debt Capacity (Remaining capacity of \$150 million debt facility, announced 5/2/19) ⁽¹⁾	\$120mm
Common Shares Outstanding	65.9mm

9055

Multiple Near-Term Expected Clinical Trial Initiations and Readouts



37 Note: All trial bars and milestone flags are shown at the center of estimated timing. Trial initiation to occur at first patient dosed in trial. Ph. = Phase; Interim = interim analysis; FPI = first patient in, Onc.= oncology.

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