

# 43<sup>rd</sup> Annual J.P. Morgan Conference

January 14, 2025 – 7:30 a.m. PT

**Real Challenges. Real Solutions.** 

### **Forward Looking Statements and Risk Factors**

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All of Cogent Biosciences, Inc. ("Cogent") product candidates are investigational product candidates and their safety and efficacy have not yet been established. Cogent has not obtained marketing approval for any product, and there is no certainty that any marketing approvals will be obtained or as to the timelines on which they will be obtained.

Any data pertaining to Cogent product candidates is interim data and may include investigator-reported interim data for which Cogent has not yet independently reviewed the source data. The interim data may not be representative of the final results that may be obtained in the corresponding trials and results from earlier trials may not be representative of results obtained in later trial or pivotal trials.



### Building a Fully Integrated Precision Therapy Company with an Expanding Pipeline of Genetically Validated Targets

- Bezuclastinib, a potent KIT mutant inhibitor
  - Exciting clinical data in systemic mastocytosis (SM), driven by potency for KIT D816V, selectivity against other TKI targets and favorable emerging safety profile
  - Promising clinical activity and safety data in combination with sunitinib in imatinib-resistant gastrointestinal stromal tumor (GIST) patients
- Early clinical and research pipeline of novel, smallmolecule targeted therapies for cancer and rare diseases including a highly selective FGFR2 inhibitor, CNSpenetrant ErbB2, H1047R mutant selective PI3Kα inhibitor and KRAS(ON) inhibitor
- Experienced leadership and world class research team
- Cash runway expected to fund operations into late 2026



# Multiple Clinical and Preclinical Programs with Upcoming Catalysts



		нп	TID	LEAD GENERATION	LEAD OPTIMIZATION	CANDIDATE SELECTED	IND SUBMISSION
SCH	ErbB2	С	GT-4255 is a po	tent, selective, CNS-penetrant	ErbB2 inhibitor		
EAF	ΡΙ3Κα	С	GT-6297 is a no	vel, H1047R mutant-selective F	PI3Ka inhibitor		
RES	KRAS	C	GT-6737 is a nov	vel pan KRAS(ON) inhibitor			
	Undisclosed Targets	AN					AA

\$345.5M as of September 30, 2024; expected to fund operations into late 2026

## **Bezuclastinib Offers Best-in-Class KIT Inhibitor Opportunity**



### Aggregate US annual sales opportunity >\$3 billion with limited competition





# Bezuclastinib in Non-Advanced Systemic Mastocytosis (NonAdvSM): SUMMIT Part 1 Review

### **Real Challenges. Real Solutions.**

### Deep and Sustained Symptomatic Improvement Shown in NonAdvSM Patients From SUMMIT Part 1



Among patients receiving 100 mg active treatment with bezuclastinib for 24 weeks<sup>a</sup>:

- TSS reduced by a mean of 27.6 points
- TSS reduced from baseline by a **mean of 55.8%**
- 30% TSS reduction achieved by **88% of patients**
- 50% TSS reduction achieved by **76% of patients**



<sup>*a*</sup> Includes all patients who received bezuclastinib 100mg QD through 24 weeks of active treatment. <sup>*b*</sup> n=25 or 26 at some timepoints

### Bezuclastinib Performance Highly Consistent Using Composite Items From Either Available NonAdvSM Scoring Tool (MS2D2 or ISM-SAF)



MS2D2 Items	ISM-SAF Items			
0-110 Scale	0-110 Scale			
Itching	Itching			
Flushing	Flushing			
Spots	Spots			
Headache	Headache			
Bone Pain	Bone Pain			
Feeling Tiredness	Feeling Tiredness			
Nausea	Nausea			
Abdominal Pain	Abdominal Pain			
Skin redness	Diarrhea			
Difficulty Concentrating	Dizziness			
Difficulty Remembering	Brain Fog			

June 2024 – Cogent announced alignment with FDA on use of MS2D2 for use in SUMMIT Part 2

### SUMMIT Part 1 Patients Reported Rapid and Continued Deepening of Symptomatic Improvement Across Domains and Items



Includes all patients who received bezuclastinib 100mg QD during Part 1 or OLE. Change from baseline is taken after 12 and 24 weeks of active therapy. n=27 at baseline, n=26 at 12 weeks, and n=25 at 24 weeks.

## **Bezuclastinib Well Tolerated Safety Profile in SUMMIT Part 1**

#### All Cause Treatment-Emergent Adverse Events (TEAE) ≥ 15 %

Double-blind + Open-Label Extension 100mg						
Preferred Term	Total Active <sup>a</sup> (n=27)					
	Gr1/2	Gr3				
Hair color changes	21	-				
ALT/AST increased	6	3				
Nausea	7	-				
URTI	7	-				
Diarrhea	6	-				
Headache	6	-				
Pruritus	5	_				
Arthralgia	5	_				
GERD	5	_				
Peripheral edema	4	-				
Alopecia	4	-				

<sup>*a*</sup>Among the nine patients randomized to placebo, only TEAEs that occurred after crossover to bezuclastinib treatment are included.

- Median (range) duration on bezuclastinib:
  - Active (N=18): 56 weeks (9.3-80.9)
  - Placebo  $\rightarrow$  Active (N=9): 40 weeks (30.3-72.1)
- The majority of TEAEs were low grade and reversible
- No treatment-related bleeding or cognitive impairment events reported
- Among patients experiencing LFT elevations:
  - 5 patients resolved without dose modification and remain on study
  - 2 patients resolved with dose reduction, including one patient with a possibly related Gr 3 SAE who subsequently re-escalated to original dose, and remains on study (72 weeks)
  - 2 patients with Gr 3 events resolved following discontinuation



### **Contextualizing Bezuclastinib Performance in SUMMIT Part 1**



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# Bezuclastinib in Gastrointestinal Stromal Tumors (GIST): PEAK Part 1 Review

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# Significant Unmet Need Remains With Currently Approved GIST Therapy



ORR/PFS for all approved agents was obtained from labeled information from those agents



# **Bezuclastinib + Sunitinib Combination Treatment Rationale in GIST**

- Secondary resistance mutations in the KIT ATP-binding domain (exons 13, 14), activation loop (exons 17, 18), or both can develop and result in resistance to front-line imatinib
- Combination of <u>bezuclastinib</u> (exons 9, 11, <u>17</u>, and <u>18</u>) and <u>sunitinib</u> (exons 9, 11, <u>13</u>, and <u>14</u>) targets the full spectrum of primary and <u>secondary resistance</u> <u>mutations</u>

#### Bezuclastinib + Sunitinib Combination Targets the Full Spectrum of Primary and Secondary Mutations

	Prin	nary	Secondary			Broad Coverage of		
	9	11	13	14	17	18	Spectrum of Mutations	
Imatinib	V	V	-	-	-	-	-	
Ripretinib	~	V	~	V	V	V	~	
Sunitinib	V	V	V	V	-	-	-	
Bezuclastinib	V	V	~	-	٧	V	-	
Bezuclastinib + Sunitinib	V	V	٧	V	V	V	V	
<b>v</b> = strong inhib		~ = moderate inhibition				- = no inhibition		



Gramza AW, et al. Clin Cancer Res, 2009;15(24):7510-7518. <sup>2</sup>Arshad J et al. JCO Precis Oncol, 2020;4:66-73. <sup>3</sup>Casali PG, et al. JCO, 2017;35(15):1713-1720. <sup>4</sup>Serrano C and George S. CCR, 2020;26(19):5078-5085. 5. Wagner et al. [abstract 1251848] 2022. In: CTOS 2022: 1251848.

### **Robust Clinical Activity for Bezuclastinib + Sunitinib Combination In Heavily Pre-Treated GIST Patients**





## **Bezuclastinib + Sunitinib in 2<sup>nd</sup>-line GIST: 40% ORR With Durability**



# **Bezuclastinib + Sunitinib Combination Well Tolerated in Peak Part 1**

#### TEAEs≥15% of Patients All Causality

	<b>Part 1a</b> n=19 (%)		<b>Part 1b</b> n=23 (%)		<b>Total</b> n=42 (%)	
Preferred Term	All Grade	Grade ≥3	All Grade	Grade ≥3	All Grade	Grade ≥3
Diarrhea	12 (63)	2 (11)	17 (74)	-	29 (69)	2 (5)
Fatigue	10 (53)	-	13 (57)	-	23 (55)	
Hypertension	10 (53)	4 (21)	9 (39)	3 (13)	19 (45)	7 (17)
Nausea	8 (42)	-	9 (39)	-	17 (40)	
Hair color changes	9 (47)	-	6 (26)	-	15 (36)	
GERD	4 (21)	-	9 (39)	-	13 (31)	
Taste disorder	3 (16)	-	10 (43)	-	13 (31)	
Decreased appetite	6 (32)	-	6 (26)	-	12 (29)	-
Rash	5 (26)	-	6 (26)	-	11 (26)	
Neutropenia	5 (26)	-	5 (22)	3 (13)	9 (21)	3 (7)
ALT/AST increased	4 (21)	1 (5)	5 (22)	1 (4)	9 (21)	2 (5)
Anemia	3 (16)	-	6 (26)	3 (13)	9 (21)	3 (7)
Headache	4 (21)	-	5 (22)	-	9 (21)	
Abdominal pain	6 (32)	-	2 (9)	-	8 (19)	-
PPE	5 (26)	-	3 (13)	-	8 (19)	
Hypokalemia	5 (26)	1 (5)	2 (9)	-	7 (17)	1 (2)
Vomiting	3 (16)	-	4 (17)	-	7 (17)	-

- Majority of TEAEs were low grade and reversible
- Low rate of Grade 3+ events
- Only three patients experienced serious adverse events possibly associated with study medications:
  - Gr 2 neutrophil count decrease and pyrexia and Gr 3 platelet count decrease
  - Gr 2 bacterial peritonitis and Gr 3 febrile neutropenia
  - Gr 3 anemia, asthenia, and edema peripheral
- Limited (29%) dose reductions of any study medications due to TEAEs
- Infrequent (n=2) discontinuations due to TEAEs

The safety and tolerability profile appears generally consistent with published sunitinib monotherapy experience





# Bezuclastinib in Advanced Systemic Mastocytosis (AdvSM): APEX Part 1 Review

### **Real Challenges. Real Solutions.**

## **Bezuclastinib Shows Impressive Clinical Activity in ASM Patients**

Best Response, criteria	mIWG-MI	PPR	
Patient Group (n)	All	KIT-naive	AII
	n=27	n=18	n=32
Overall response rate			
CR + CRh + PR + Cl	14 (52)	11 (61)	
CR + CRh + PR	13 (48)	10 (56)	28 (88)
Complete Response (CR + CRh)	7 (26)	7 (39)	14 (44)
Partial Response (PR)	6 (22)	3 (17)	14 (44)
Clinical Improvement (CI)	1 (4)	1 (6)	
Stable Disease (SD)	10 (37)	6 (33)	1 (3)
Not evaluable	3 (11)	1 (6)	3 (9)



- mPFS **not yet reached** at follow-up of 20 months
- PFS rate was 82% at 24 months



PPR is derived based on local hematology and central pathology assessments. PFS progression includes death or CRRC assessment of progressive disease 5 patients without measurable C-finding at baseline were excluded for being nonevaluable per mIWG-MRT-ECNM criteria; one additional patient was excluded due to discontinuation prior to first dose (not dosed [ND]).

### **Bezuclastinib Shows Deep Reductions in Markers of Mast Cell Burden**



- 100% (29/29) with at least 2 cycles of treatment achieved ≥50% reduction
- 66% (21/32) achieved <20 ng/mL

- 100% (29/29) with baseline and ≥1 post baseline assessment achieved ≥50% reduction
- 83% (24/29) achieved complete clearance of mast cell aggregates by central review
- 71% (15/21) achieved VAF <1%



## **Bezuclastinib Continues to Demonstrate an Encouraging Safety Profile**

#### Treatment Related Adverse Events in > 10% Patients

	Total (n=32) n (%)		50 mg BID (n=8) n (%)	100 mg BID (n=7) n (%)	200 mg BID (n=8) n (%)	400 mg QD (n=9) n (%)
Preferred Term	All grade Grade ≥3		All grade	All grade	All grade	All grade
Hair color changes	11 (34)	-	-	4 (57)	3 (38)	4 (44)
ALT/AST increased*	10 (31)	2 (6)	4 (50)	2 (29)	2 (25)	2 (22)
Thrombocytopenia*	9 (28)	3 (9)	1 (13)	4 (57)	2 (25)	2 (22)
Neutropenia*	9 (28)	5 (16)	1 (13)	3 (43)	2 (25)	3 (33)
Taste disorder*	6 (19)	-	1 (13)	1 (14)	1 (13)	3 (33)
Fatigue	5 (16)	-	3 (38)	-	2 (25)	-
Peripheral edema	4 (13)	-	-	1 (14)	1 (13)	2 (22)
Periorbital edema	4 (13)	1 (3)	-	-	3 (38)	1 (11)
Anemia	4 (13)	1 (3)	-	1 (14)	2 (25)	1 (11)
Blood ALP increased	4 (13)	-	1 (13)	-	1 (13)	2 (22)

\*Includes pooled terms.

PK matched to RP2D 150 mg QD

- Median duration of treatment 16.2 months (range: 0.1-32.2)
- The majority of hematological adverse events were low grade, reversible, and did not require dose reduction
- No intracranial bleeding events were reported
- Treatment related SAEs reported in 4 patients including Gr4 Thrombocytopenia, Gr4 GGT increased (confounded by cholelithiasis and underlying ampullary lesion), Gr3 Hypersensitivity (mediator flare), and Gr3 Leishmaniasis
- 12 patients required dose reduction due to AEs, 8 of which were at 400 mg total daily dose
- 2 patients discontinued due to treatment related adverse events of transaminase increased
- 100mg BID tolerability: 2 patients required dose reductions for thrombocytopenia and no discontinuations due to AEs.





### **Real Challenges. Real Solutions.**

## **Bezuclastinib Offers Best-in-Class KIT Inhibitor Opportunity**



### Aggregate US annual sales opportunity >\$3 billion with limited competition





# Thank you

### **Real Challenges. Real Solutions.**