bridgebio

COMPANY PRESENTATION

160

December 2019



Forward-Looking Statements

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We are at Day 1 in the era of genetic medicine

Vast opportunity to help patients



Advancing science and clinical genetics



100's of disease-causing genes ID'ed per year. 10's of high fidelity, causal, RGDpolygenic disease links



Dramatic reduction in cost of exome and genome sequencing



Increased availability of patient registries and longitudinal databases



Better molecular biology tools to interrogate and manipulate gene products. Better disease models



Genetic disease drug discovery is lower risk, faster, and has higher returns than traditional drug discovery

Relative to all-comer diseases, genetic disease R&D offers...

>3	Cumulative probability of success	<i>Reduced</i> Discovery risk	 Dramatic reduction in target risk Either replacing or directly modulating driver of disease
26	o∕ Faster	<i>Reduced</i> Development risk	 Reduction in toxicity risk, especially associated with protein replacement Faster and smaller trials
50	development time	<i>Reduced</i> Regulatory risk	 For these high unmet need diseases, the FDA actively works with companies
1.7	Total return on investment	<i>Reduced</i> Commercial risk	 Faster and more predictable uptake, lower marketing costs Favorable reimbursement, more competitive protection

Sources: Meekings et.al, Drug Discovery Today, Hay et al., Nature Biotechnology, "Clinical Development Success Rates for Investigational Drugs", Jan. 2014, Shareholder Representative Services, Life Sciences M&A – New Findings on Deal Mechanics, Oct. 2012, DiMasi et al., Nature, "Trends in Risks Associated with New Drug Development", Mar. 2010, Delloitte, Tufts, EvaluatePharma with team analysis



Distinctive early stage asset selection, based on a deep understanding of clinical unmet need, genetics, and underlying molecular pathophysiology

Experienced, product-focused R&D leadership, that can define go / no-go's, required product attributes, and can drive programs through the clinic efficiently

Efficient corporate structure that cuts no corners on science and medicine, but limits G&A, infrastructure, needless management, and other waste

The willingness and scale to fail and to re-allocate capital, within a de-centralized company model

Focus at the level of individual diseases and assets. Drug R&D is a game of details



BridgeBio is led by an experienced team

We rely on some of the top R&D minds in this industry to select assets...



...and put them in the hands of one of the most productive groups of R&D operators in the industry

Uma Sinha, PhD Chief Scientific Officer		(eptifibatide) Injection INTEGRILION INTEGRILION Integrition Periodicidade-ato
Eli Wallace, PhD Chief Scientific Officer in Residence, Oncology	RECEPTION Peloton Therapeutics	MEKTOVI (binimetinib) to mg tabletsTucatinib (HER2i, Ph3)PT2997 (HIF2αi, Ph3)
Robert Zamboni, PhD Chemistry	MERCK FROSST	SINGULAIR ARCOXIA VIOXX (montelukast, MSD) (rofeccial) (rofeccial) (rofeccial)

Together, our R&D team is responsible for 100+ INDs and 20+ approved products



BridgeBio: A product platform and current pipeline





Product Platform

Systematic disease mapping World-class R&D minds and capabilities Partnered with leading institutions Focus on capital efficiency Best owner mentality

Continued growth and terminal value

Current Pipeline

15 programs targeting diseases at their source Four Phase 2 or Phase 3 clinical programs Focus on Mendelian diseases and targeted oncology Small molecules, biologics, gene therapies 5+ therapeutic areas

Present value and near-term catalysts



We have built a sizeable pipeline over the past ~4 years

	_	MOA / Diseases	Patient pop. (US+EU) ²	Modality	Pre-Clinical		Clinical		
	Program ¹				Lead Finding / Optimization	IND Enabling	Phase 1	Phase 2	Phase 3
Mondolion	BBP-265 (Eidos) TTR stabilizer for ATTR	>400K	众		1	1		
wendelian	BBP-870	cPMP replacement for MoCD Type A	100	众		1	1	1	
	BBP-831	FGFR1-3i for achondroplasia	55K	尊					
	BBP-711	GO1i for PH1 / FSF	5K / 1.5M	尊					
New program	BBP-418	Glycosylation substrate for LGMD2i	7K	尊			i 1 1 1		
	BBP-761	Succinate pro-drug for LHON	20K	尊		i 	i 	i 	
	BBP-671	PanK 1/3 activator for PKAN, OAs	7K	\$: 	i 	i 1 1	
Genetic	BBP-0094	Topical SMOi for Gorlin / frequent BCC	120K	Ś		: 	: 	: 1 1	
Dermatology	BBP-589	COL7A protein replacement for RDEB	1.5K			:		 	
tto tto	BBP-681	Topical PI3K α i for venous malformations	117K	$\langle \mathfrak{I} \rangle$			 	 	
	BBP-561	Topical KLKN 5/7i for Netherton	11K	$\langle \circ \rangle$		 			1
Targeted	BBP-831	FGFR1-3i for FGFR+ cancers	37K*	坟				5	- - - -
Oncology	BBP-454	Pan-mutant KRASi for KRAS+ cancers	>500K*	尊		: 			:
	BBP-398	SHP2i for multiple cancer types	>500K*	尊					
	BBP-954	GPX4i for multiple cancer types	>500K*	苡					
Gene Therapy	BBP-631	AAV5 gene therapy for CAH	>75K	S.					
HIDOR	BBP-812	AAV9 gene therapy for Canavan	1K	A.			 		

¹ Each of our programs is housed in a separate subsidiary; ² Patient population: Prevalence except for asterisked figures which represent incidence; ³A clinical trial we believe could support filing an application for marketing authorization, although the FDA and other regulatory authorities have not indicated their agreement or that additional trials will not be required; ⁴We are party to an option agreement pursuant to which LEO Pharma A/S has been granted an exclusive, irrevocable option to acquire PellePharm, including the BBP-009 program. If the option is exercised by LEO Pharma A/S, we will no longer have rights to develop and commercialize BBP-009. See "Business – Our Material Agreements—BBP-009 (Patidegib): Option Agreement with LEO Pharma A/S." ⁵Planned New Drug Application (NDA) submission for the treatment of cholangiocarcinoma (CCA) as a second-line or later therapy (2L)

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How to judge our performance - the ABC's



	Portfolio area	Next update				
1	Low-dose infigratinib (FGFR1-3i) for achondroplasia	Begin dosing children in the Ph2 study 2020, data 2021				
2	Genetic dermatology	Ph1/2 POC data in RDEB (rCOL7A) 2020; Ph3 data in Gorlin syndrome (topical SMOi) 2021				
3	Targeted oncology	Infigratinib Ph2 update in CCA and NDA submission 2020; SHP2i IND 2020				
4	Neuromuscular diseases	Begin rolling NDA submission in MoCD type A (cPMP replacement) 2019; Gene therapy IND 2020 (Canavan)				



Achondroplasia – pathway and clinical features

Slight FGFR3 gain-of-function mutation leads to dysregulated growth plate development



By inhibiting FGFR3 directly, infigratinib targets both chondrocyte proliferation and differentiation defects that cause ACH





Infigratinib improves all the key drivers of clinical symptomology in the ACH mouse model



3 Spinal stenosis

12% increase in L4-L6 length 73% increase in disc width

May lead to **decrease** in **spinal stenosis**, possibly **reducing need for surgery**







Source: Komla-Ebri et al. J Clin Inv 2016 Note: percent increase compared to vehicle treated FGFR3Y367C/+ mouse, infigratinib treatment with 2mg/kg subcutaneous dose

Infigratinib showed significant improvements in key disease features in the achondroplasia mouse model



Preclinical data from other investigational achondroplasia therapies



Percent increase compared to non-treated mouse

Source: Lorget et al. Am J Hum Genet 2012, Garcia et al. Science Trans Med 2013, Breinholt ENDO 2017 Note: subcutaneous doses, percent increase compared to vehicle treated FGFR3Y367C/+, FGFR3ACH/+ mouse unless otherwise noted 1 Based on vosoritide continuous infusion; *Value estimated using Digitizelt



We showed significant and dose-dependent effects on key features of the achondroplasia model at ASHG 2019

These data continue to support our therapeutic hypothesis for this program



All doses had highly significant effects on survival relative to untreated animals



Source: ASHG 2019

Human clinical data suggests potential activity in achondroplasia below the threshold for on-target adverse events

We expect our active achondroplasia dose could be >50x lower than our oncology dose, well below known toxicity thresholds in humans



Estimated mouse equivalent doses are similar to prior slide





We initiated the PROPEL observational study in 3Q19 and are actively enrolling at multiple sites

PR PEL

PROPEL: observational study in children with ACH

- **Objectives:** anthropometric characteristics, medical events, treatments, etc.
- **Timing:** enrolling children in Australia and the UK now; expanding to other countries throughout 2019 and 2020

PROPEL2: Phase 2 dose finding study

- Participants in the observational study may have the opportunity to move onto PROPEL2
- **Objectives:** safe and tolerable dose; preliminary efficacy
- Timing: starting in 2020

- **PROPEL3**: Phase 3 registrational trial
- Participants in the observational study may have the opportunity to move onto PROPEL3
- Objective: efficacy
- Timing: TBD, depending on PROPEL2 results

Visit www.clinicaltrial.gov for more information (NCT04035811)



2 Genetic dermatology

		Pre-clinical Clinical					
Program	MOA / Diseases	Dis- covery	Pre- IND	Phase 1	Phase 2	Phase 3	Next update
BBP-009	SMOi for Gorlin syndrome						Ph3 topline data in 2021
BBP-589	Recombinant COL7A for dystrophic epidermolysis bullosa						Ph1/2 topline data in 2020
BBP-681	Topical PI3Ka inhibitor for venous and lymphatic malformations						IND filing in 2020
BBP-561	Topical KLKN 5/7i for Netherton						Clinical candidate nomination

Other players in this space







RDEB is a devastating rare genetic disease with no approved drugs

RDEB Impacts Multiple Tissues and Organs and is Associated with Early Death

- Skin: Extensive scarring
- Severe impact to the <u>GI track</u>
- Corneal erosions
- · Dystrophy and loss of nails
- Joint contractures
- Pseudosyndactyly (mitten deformity of the hand and feet)
- Patients often develop aggressive <u>squamous-cell</u> <u>carcinoma</u>, a major contributor to mortality; Cumulative risk of mortality at ~22% by age 55



Painful erosions and blisters







Extensive costly bandaging

Early morbidity with scarring

Mitten deformity requiring reconstructive surgery



Poor nutrition (e.g., from esophageal strictures) often requires a G-tube



squamous cell carcinoma



Oral and dental problems

RDEB prevalence is estimated at ~1.5 per million on average; at least ~1,500 - 2,000 RDEB patients in the US/EU

Current standard of care for RDEB is largely palliative and results in profound impact on the lives of patients and families

> "I was born with the worst disease you've never heard of..." --- RDEB patient

<u>Symptoms</u>	Treatment
Open Wounds	Bathing, Wound Dressings
Infection	Topical Antiseptics, Antibiotics
Pain Management	Analgesics, NSAIDs, opioids, anti- anxiety drugs
Nutritional Compromise	Nutrient Supplements, G-tube Feeding
Pseudosyndactyly; esophageal strictures	Surgeries



Disease mechanism and our treatment strategy





- Collagen type VII protein (C7) forms the anchoring fibril (AF) which secures the association of the epidermal basement membrane with the underlying dermis layer
- Anchoring fibril is identified in many tissues/organs, including: *skin, chorioamnion, cornea, oral mucosa, cervix, esophagus,* and *anal canal*
- Mutations within the *COL7A1* gene lead to absence or deficient level of functional collagen type VII protein (C7); thus in RDEB patients, the integral stability of the affected tissue/organ is compromised
- We are developing **PTR-01/BBP-589**, intravenously delivered recombinant C7 to treat the systemic manifestations of RDEB





Clear preclinical proof-of-concept: rC7 distributes to the epidermis and forms anchoring fibrils

Single intravenous injection of rC7 distributed to the multiple skin sites of RDEB mice

e, Epidermis; d, dermis; Abd, abdomen; Eso, esophagus; FL, front leg; FP, front paw; RL, rear leg; RP,rear paw; Ton, tongue



Following rC7 injection, RDEB mice skin exhibited good dermal–epidermal adherence compared to vehicle injected mice



Ongoing randomized, dose-escalation Phase 1/2 proof-of-concept clinical study in adults with RDEB

- First patient dosed in 1Q19
- Anticipate clinical POC in 2020 (safety, tolerability, skin biopsy)



3 Targeted oncology

			Pre-cl	inical		Clinical		
Program	MOA / Dis	seases	Dis- covery	Pre- IND	Phase 1	Phase 2	Phase 3	Next update
Infigratinib (BBP-831)	FGFR1-3 inhibitor t tumors	for FGFR+						Ph2 pivotal CCA data 2020, NDA 2020
BBP-398	SHP2 inhibitor for r tumor types	nultiple solid						IND submission in 2020
BBP-454	Pan-mutant KRAS KRAS+ cancer	inhibitor for						Clinical candidate nomination
BBP-954	GPX4 inhibitor for r tumor types	multiple solid						Clinical candidate nomination
Other playe	rs in the targeted or	ncology space						
THERAP	EUTICS	TP Theraneutic	6 ®		0	~ 9	gios	
		Turning Point Medicines for Life!		Sblu		T [™] INES		

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We have two shots on goal with our pan-mutant KRAS inhibitor programs – each with a unique and novel MOA





Neuromuscular diseases



We presented data from our natural history study in MoCD type A at SSIEM 2019

- Median survival time of <4y highlights urgent need for a new medicine
- Data will play an important role in our NDA data package
- Our rolling NDA submission has initiated!





AHA UPDATE: AG10 (BBP-265) our transthyretin stabilizer for the treatment of transthyretin amyloidosis



Impact on patients:

- Progressive, fatal cardiomyopathy (median life expectancy 3-5 yrs) and polyneuropathy
- Both manifestations includes significant disability
- We believe the diagnosed population of ATTR-CM is growing rapidly due to awareness and accurate, non-invasive, diagnostic methods



AG10 is designed to bind TTR in a way that mimics a naturallyoccurring protective mutation

Program Highlights 400k+ 10k+ ATTR-CM patients worldwide ATTR-PN patients worldwide Clinical status: Pre-IND Phase 1 Phase 2 Phase 3

- ATTR-CM Ph3 study ongoing (FPI 1Q19)
- ATTR-PN Ph3 study expected 1Q20

Catalysts:

- Complete enrolment in Ph3 ATTR-CM 2H20
- Ph3 ATTR-CM 12-month data in 2021
- Potential ATTR-CM NDA submission in 2021

Key data:

- Ph2 ATTR-CM data presented in at AHA 2019
 - Normalized serum TTR in all actively treated patients at d28 and through 65 weeks on therapy
 - Durable stabilization of cardiac biomarkers over 6m
 - $\,$ 8.5% all cause mortality and 25% CV hospitalization at 15m $\,$
 - − TTR stabilization of ≥90% in all actively treated pts at d28 $\,$
- Ph3 ATTRibute study initiated in 1Q19
 - Potential registration on 12m 6MWD endpoint, followed by 30m CV outcome/hospitalization endpoint



Preclinical data: We showed comparative stabilization potency between AG10 and tafamidis

Near complete tetramer stabilization by AG10 across a range of mutations



Figure 2. Western Blot quantitation of tetrameric TTR in plasma samples subjected to low pH conditions. **A)** Representative Western Blot image with tetrameric TTR stabilization at 72 hr. WT depicts pooled normal human plasma. **B)** Percent stabilization of tetrameric TTR after 72 hr acidification. Results from five individuals with destabilizing TTR mutations are shown. Mean and standard error shown.

Near complete target occupancy by AG10



Figure 4. FPE characterization of TTR binding site occupancy in serum incubated with stabilizer, n = 12 for each condition tested. Target occupancy with mean and standard deviation shown.



Ph2 OLE data: Serum TTR levels increased upon AG10 treatment and were maintained throughout study duration



1 400mg and 800mg BID AG10 groups pooled during randomized portion

2 Defined as the lower limit of the reference interval for the serum prealbumin (TTR) clinical laboratory assay

Ph2 OLE data: Deaths and CV hospitalizations reported in AG10 Phase 2 OLE were lower than in placebo-treated ATTR-ACT participants



Phase 3 ATTRibute study expected to complete enrollment in 2H20

1 Based on routine adverse event reporting

Note: These data are based on a cross-trial comparison and not a randomized clinical trial. As a result, the values shown may not be directly comparable



Where we are headed: Profile by year-end 2021



NDAs: BBP-831 (2L CCA), BBP-870, BBP-265 Clinical Proof-of-Concept (POC): BBP-831 (achon), BBP-631, BBP-009, BBP-681, BBP-589, 0-1 additional Clinical: BBP-812, BBP-398, BBP-711, BBP-561, BBP-671, 1-2 additional Note: The above represents potential non-risk adjusted outcomes



Our cash balance provides runway through key value inflections across the portfolio

ESTIMATED

20	19	2020	2021	
1H	2H	FY	FY	
 ✓ Initiate BBP-265 (AG10) Ph3 in ATTR-CM ✓ Initiate BBP-009 Ph3 in Gorlin ✓ Open infigratinib Ph3 in 1L CCA for enrollment ✓ Initiate BBP-589 Ph1/2 in RDEB 	 ✓ Initiate achondroplasia observational run-in study (infigratinib) ✓ Announce new program (BBP-418 for LGMD2i) ✓ CAH gene therapy (BBP-631) NHP data at ESGCT ✓ AG10 Ph2 ATTR-CM OLE data at AHA (November 16) ✓ Initiate BBP-870 rolling NDA in MoCD Type A 	 Topline Ph1/2 data from BBP-589 in RDEB Updated infigratinb Ph2 CCA data Initiate infigratinib adjuvant urothelial carcinoma Ph3 study Initiate dosing in infigratinib Ph2 in achondroplasia Submit infigratinib NDA for 2L CCA Multiple new INDs Multiple new program announcements 	 Topline AG10 Ph3 data in ATTR-CM (12m 6MWD) Topline BBP-009 Ph3 data in Gorlin Infigratinib Ph2 PoC data in achondroplasia CAH gene therapy (BBP-631) clinical PoC data Infigratinib approval and launch in 2L CCA BBP-870 approval and launch in MoCD Type A 	

