Filed by Mereo BioPharma Group plc pursuant to Rule 425 under the Securities Act of 1933, as amended Subject Company: OncoMed Pharmaceuticals, Inc. Date: February 15, 2019. (Subject Company Commission File No.: 001-35993)

COMBINATION OF MEREO AND ONCOMED

February 2019

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Additional Information

Important Additional Information Has Been and Will Be Filed with the SEC

Mereo has filed with the SEC (1) a preliminary registration statement on Form F-4 containing the proxy statement of OncoMed that also constitutes a prospectus of Mereo (the "proxy statement/prospectus") and (2) other documents concerning the proposed merger. BEFORE MAKING ANY VOTING DECISION, INVESTORS AND STOCKHOLDERS ARE URGED TO CAREFULLY READ THE PROXY STATEMENT/PROSPECTUS, AND OTHER RELEVANT DOCUMENTS FILED OR TO BE FILED WITH THE SEC, INCLUDING THE DEFINITIVE REGISTRATION STATEMENT ON FORM F-4, IN THEIR ENTIRETY WHEN THEY BECOME AVAILABLE AND ANY OTHER DOCUMENTS FILED OR TO SEC IN CONNECTION WITH THE PROPOSED MERGER OR INCORPORATED BY REFERENCE THEREIN BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT MREEO, ONCOMED, THE PROPOSED TRANSACTION AND RELATED MATTERS. Investors and stockholders will be able to obtain free copies of the proxy statement/prospectus and other documents filed with the SEC by the parties through the website maintained by the SEC at <u>www.sec.gov.</u> in addition, investors and stockholders will be able to obtain free copies of the proxy statement/prospectus and other documents filed with the SEC by Mereo's website at <u>https://www.mereobiopharma.com/investors/page/sec-filings/</u> (for documents filed with the SEC by Mereo) or an OncoMed's website at <u>https://cms2.oncomed.com/investors/filenorial-information/sec-filings</u> (for documents filed with the SEC by OncoMed).

Participants in the Solicitation

Mereo, Oncomed and their respective directors, executive officers and certain employees may be deemed to be participants in the solicitation of proxies from the stockholders of Mereo and OncoMed, respectively in connection with the proposed merger. Stockholders may obtain information regarding the names, affiliations and interests of OncoMed's directors and officers in OncoMed's Annual Report on Form 10-K for the fiscal year ended December 31, 2017, which was filed with the SEC on March 8, 2018, and its definitive proxy statement on Schedule 14A for the 2018 annual meeting of stockholders, such changes have been or will be reflected on Statements of Change in Ownership on Form 4 filed with the SEC. Information regarding the names, affiliations and interests of Mereo's directors and officers is contained in Mereo's Annual Report for the fiscal year ended December 31, 2017 and can be obtained free of charge from the sources indicated above. Additional information regarding the interests of Such individuals in the proposed merger will be included in the definitive proxy statement/prospectus relating to the proposed merger will be included in the definitive proxy statement/prospectus relating to the proposed merger will be included in the definitive proxy statement/prospectus relating to the proposed merger will be included in the definitive proxy statement/prospectus relating to the proposed merger will be included in the definitive proxy statement/prospectus relating to the proposed merger will be included in the definitive proxy statement/prospectus relating to reprosed merger will be included in the definitive proxy statement/prospectus relating to the proposed merger will be included in the definitive proxy statement/prospectus relating to the proposed merger will be included in the definitive proxy statement/prospectus relating to the proposed merger will be included in the definitive proxy statement/prospectus relating to the proposed merger will be included in the definitive proxy statement/prospectus relat

FORWARD LOOKING STATEMENTS

Forward-Looking Statements

This communication contains "forward-looking statements". All statements other than statements of historical fact contained in this report are forward-looking statements within the meaning of Section 27A of the United States Securities Act of 1933, as amended (the "Securities Act"), and Section 21E of the United States Securities Exchange Act of 1934, as amended (the "Exchange Act"). Forward-looking statements usually relate to future events and anticipated revenues, earnings, cash flows or other aspects of our operations or operating results. Forward-looking statements are often identified by the words "believe," "expect," "anticipate," "plan," "intend," "foresee," "should," "would," "could," "may," "estimate," "outlooking and similar expressions, including the negative thereof. The absence of these words, however, does not mean that the statements are not forward-looking. These forward-looking statements are based on our current expectations, beliefs and assumptions concerning future developments and business conditions and their potential effect on us. While management believes that these forward-looking statements are not power and when made, there can be no assurance that future developments affecting us will be those that we anticipate.

Factors that could cause actual results to differ materially from those in the forward-looking statements include failure to obtain applicable stockholder approvals in a timely manner or otherwise; failure to satisfy other closing conditions to the proposed transaction; failure to realize anticipated benefits of the proposed transaction; risks relating to unanticipated costs, liabilities or delays of the transaction; failure to relaize anticipated changes relating to competitive factors in the companies' industry; risks relating to expectations regarding the capitalization, resources and ownership structure of the combined organizations; the availability of sufficient resources for combined company operations and to conduct or continue planned clinical development programs; the outcome of any legal proceedings related to the merger; risks related to the ability to correctly estimate operating expenses and expenses associated with the merger; risks related to the ability to project future cash utilization and reserves needed for contingent future liabilities and business operations; the potential impact of anouncement or consummation of the proposed transaction on relationships with third parties; changes in law or regulations affecting the companies; international, national or local economic, social or political conditions that could daversely affect the companies and their business; conditions in the credit markets; risks associated with assumptions the parties make in connection with the parties' critical accounting estimates and other judgments.

All of our forward-looking statements involve risks and uncertainties (some of which are significant or beyond our control) and assumptions that could cause actual results to differ materially from our historical experience and our present expectations or projections. You should carefully consider the foregoing factors and the other risks and uncertainties that affect the parties' businesses, including those described in OncoMed's Annual Report on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K and other documents filed from time to time by OncoMed and Mereo with the United States Securities and Exchange Commission (the "SEC") and those described in Mereo's annual reports, relevant reports and other documents published from time to time by Mereo. We wish to caution you not to place undue reliance on any forward-looking statements, which speak only as of the date hereof. We undertake no obligation to publicly update or revise any of our forward-looking statements after the date they are made, whether as a result of new information, future events or otherwise, except to the extent required by law.

KEY TRANSACTION TERMS

Combined company will operate as Mereo BioPharma

Upfront Stock Consideration	 Issuance of new Mereo shares (in the form of newly registered ADRs) to OncoMed shareholders Ownership split on completion 75% Mereo / 25% OncoMed shareholders⁽¹⁾ Consideration has an initial value of \$54 million⁽²⁾ and represents an 86% premium to OncoMed's current market cap ⁽²⁾
Contingent Value Rights	 TIGIT: Issuance of additional Mereo ADRs if OncoMed's partner Celgene exercises its opt in right on the TIGIT program before 31 Dec 2019 Value to OncoMed shareholders will represent 100% of net Celgene milestone payment actually received – \$35m in Celgene contract Number of Mereo ADRs to be issued calculated based on prevailing Mereo share price following milestone announcement⁽³⁾ NAVI: Cash payment of 70% of the net proceeds of any milestones received by Mereo in relation to NAVI for 5 years following completion Subject to a cap of approximately \$80 million
Management & Governance	 Mereo's CEO, Denise Scots-Knight, and existing management team will lead combined company Board of directors will include 8 existing Mereo board members (including chair) and 2 new members from OncoMed London, UK headquarters and US operational base in Redwood City, California
	Transaction has been unanimously approved by the Board of Directors of each company Expected closing in H1 2019, subject to OncoMed shareholder approval Jack Sense or other and OMM and the refer of S93 for share as at the 194 2013

(2) essk dbh invetes is current share price or 140-3 perice peristre share who share price or 340-3 peristre share share in 30-4, 2018

STRATEGIC RATIONALE FOR THE COMBINATION

Combined portfolio of six assets with near- term value catalysts	Strong combined cash position	US and UK stock market listing	Enhanced team, capabilities and infrastructure
 Three phase 2 readouts in core orphan products in 2019 (Mereo's BPS-804 and MPH-966) Potential partnerships of Mereo's BCT-197 and BGS-649 programs Potential partnership of OncoMed's navicixizumab Ongoing Celgene collaboration with an option to license OncoMed's etigilimab 	 Extends Mereo's operational runway into 2020 Pro-forma combined cash balance of \$115.5 million as of 30 September 2018 Opportunity to further extend through partnering or etigilimab option exercise 	 Increased liquidity for shareholders More diversified, global shareholder base US institutional specialist healthcare investors 	 Two new biopharma industry- experienced independent non-executive directors Combined expertise in product development and regulatory affairs UK headquarters in London US operational base in Redwood City, California

MANAGEMENT & GOVERNANCE

	Industry Leading Management Expertise				En	larged Group Boa	rd of Direct	ors	
	Executive	Se	lect Experience		Mere	eo board wil	l be expanded to include	e two of Oncol	Aed's directors
	Dr. Denise Scots-Knight Chief Executive Officer	phase4 partners	4 Amersham	* Rothschild		S	Dr. Peter Fellner Chairman	Ø	Dr. Denise Scots-Knight Executive Director CEO and Co-Founder
E.	Richard Jones Chief Financial Officer	[⊖] Investec	SHIELD			E.	Richard Jones Executive Director CFO		Dr. Anders Ekblom Non –Executive Director
and the second	Dr. Alastair MacKinnon Chief Medical Officer	phase4 partners	NOMURA	Fest Admits, 100, 400 am substantion of polytochory			Kunal Kashyap Non – Executive Director	25	Peter Bains Non –Executive Director
	Charles Sermon General Counsel	🔹 phase4 partners	NOMURA	Preshfields				aul Blackburn	tar
25	John Richard Head of Corporate	phase4 partners	NOMURA	SEQUUS				+	
	Development							T	
Ð	Wills Hughes-Wilson Head of Patient Access & Commercial Planning	() sobi	SANOFI GENZYME 🏅				Deepa R. Pakianathan Non –Executive Director		Michael Wyzga Non –Executive Director

UPDATE ON THE TRANSACTION

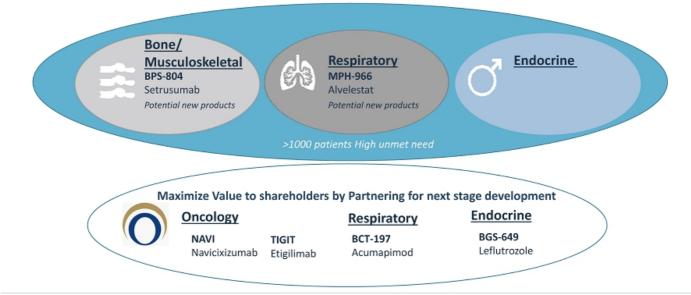
- Draft Registration Statement on Form F-4 filed with the SEC for Mereo on January 24, 2019
- · Proxy statement of OncoMed included in Mereo Form F-4
- · OncoMed shareholder meeting to be scheduled

Targeting completion in H1 2019



CORPORATE AND COMMERCIAL STRATEGY

The core strategy of the combined business will continue to focus on Orphan Drugs & Rare Diseases



Mereo BioPharma Group plc

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OVERVIEW OF MEREO

Key Product Overview & Pipeline

 Clinical stage biopharmaceutical company focused on developing products for rare diseases

Mereo Overview

- · Headquartered in London, UK
- Successfully completed two Phase 2 studies and a Phase 2b and Phase 2 underway
- Extensive experience in clinical development, manufacturing, corporate development, patient access and commercial planning and finance and admin
- · Portfolio of products acquired from Novartis and AstraZenecca
- Net cash of £36.9 million as of 30 June 2018

- BPS-804: (setrusumab) anti-sclerostin antibody resulting in differentiation, proliferation and survival of osteoblasts – targeting osteogenesis imperfecta
- MPH-966 (alvelestat): neutrophil elastase inhibitor delivered orally targeting alpha-1 antitrypsin deficiency
- Partnering BCT-197 (acumapimod) P38 MAP kinase inhibitor with positive topline data in acute exacerbations of COPD and BGS-649 (leflutrozole) an aromatase inhibitory with positive top line data in hypogonadotropic hypogonadism

Product Candidate	Phase 1	Phase 2	Phase 2b	Current Status
BPS-804	Phase 2b			Phase 2b fully enrolled
MPH-966	Phase 2			Phase 2 enrolling
BCT-197 BGS-649	Phase 2/2b			Phase 2/2b completed

OVERVIEW OF ONCOMED

Key Product Overview & Pipeline

 Clinical stage biopharmaceutical company focused on discovering and
 Navicixizumab ("NAVI"): bispecific monoclonal antibody that targets and inhibits developing novel anti-cancer therapeutics

OncoMed Overview

- · Headquartered in Redwood City, California
- · Currently has three therapeutic candidates in clinical development (Phase 1/1b)
- · Extensive experience in administrative, regulatory and clinical project management
- · Established partnership with Celgene Corp
- Net cash of \$70.9 million as of 30 Sep 2018

- both Delta-like ligand 4 and vascular endothelial growth factor
- · Etigilimab ("anti-TIGIT"): antibody that targets the T-cell immunoreceptor with immunoglobulin and ITIM domains (TIGIT), an inhibitory receptor Celgene that is thought to stop T-cells from attacking tumor cells
- · GITRL-Fc ("GITRL"): member of the tumor necrosis factor family of ligands and functions to activate the co-stimulatory receptor GITR to enhance T-cell modulated immune responses

Product Candidate	Pre-Clinical	Phase 1A	Phase 1B	Current Status
Navicixizumab (NAVI)	Phase 1			 Phase 1B clinical trial under way
Etigilimab (anti-TIGIT)	Phase 1A			 Phase 1a and 1b underway Potential to realize \$35m milestone from Celgene
GITRL-Fc Trimer (GITRL)	Phase 1A			 Phase 1a data due in 2019

MEREO UPCOMING KEY MILESTONES

	2019	2020	2021
BPS-804	6m Adult HRPqCT data		
÷	Pedi	atric Pivotal 12 month fracture	*
мрн-966 🖉	Phase 2 POC Study	•	
Partnering BCT-197 BGS-649 NAVI ANTI-TIGIT	Partnering (regulatory)		
Additional Rare Disease Products	New product opport	unities	

Mereo BioPharma Group plc

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MERGER DEAL METRICS

	Mereo	Oncomed	Base (at close)	Inc TIGIT CVR
Shares in issue	71.2 m	38.6m	95.0	110.2m
Price per share (1)	£ 1.805	\$ 0.75		
New shares issued				
New ADR's issued (5 for 1)			4.7m ⁽¹⁾	8.2m ⁽³⁾
% shareholding			25%	35%
Equity value			\$55.2m ⁽²⁾	\$ 90.2m ⁽²⁾
Value per share			\$1.43 ⁽²⁾	\$ 2.34 ⁽²⁾
Premium (to current) ⁽²⁾			93%	216%

Based on the total number of Mereo ordinary shares currently outstanding and subject to an adjustment mechanism based on target OncoMed net cash balance of \$38 million at closing
 Based on Mereo's current share price of 180.5 pence per share and OMED share price of \$0.73 per share as at January 30, 2019
 New ADRs to be issued at completion or pursuant to the TIGIT CVRs will be subject to a total dilution cap such that they do not represent more than 66.7% of Mereo's issued share capital prior to completion (or equivalently, 40% of the enlarged share capital)

SELECTED PROFORMA CONSOLIDATED STATEMENT OF OPERATIONS ⁽¹⁾ FOR THE YEAR ENDED DECEMBER 31, 2017

£'m	Mereo	Oncomed	Proforma adjustments	Proforma consolidated
Collaboration and other revenue	-	29.6	-	29.6
Research and development expenses	(34.6)	(46.4)	(2.9)	(83.9)
Restructuring charges	-	(2.0)	2.0	-
Operating (loss)	(45.3)	(31.8)	(3.6)	(80.7)
Loss (after tax)	(38.8)	(30.3)	(3.6)	(72.7)
Loss \$'m equivalent	(48.8)	(39.1)		
Monthly loss run rate	\$4.1m	\$3.3m		

(1) Extracted from unaudited pro forma condensed combined financial information contained within pages 24-34

of the F-4 filed with the SEC on January 24, 2019

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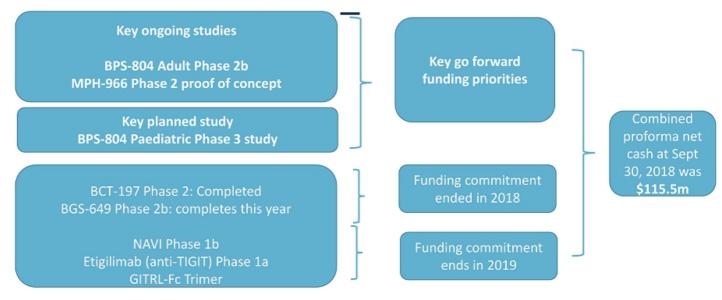
SELECTED PROFORMA CONSOLIDATED BALANCE SHEET⁽¹⁾ As of June 30, 2018

£'m	Mereo	Oncomed	Proforma adjustments	Proforma consolidated
Property, plant & equipment	0.2	1.9	(0.4)	1.6
Intangible assets	32.7	-	14.4	47.1
Other assets	-	1.4	-	1.4
Total non-current assets	32.8	3.3	14.0	50.1
Short-term investments, cash & short term deposits	36.9	60.5	-	97.4
Other current assets	12.3	1.2	-	13.5
Total current assets	49.2	61.7	-	110.9
Total assets	82.0	65.0	14.0	161.0

(1) Extracted from unaudited pro forma condensed combined financial information contained within pages 24-34

of the F-4 filed with the SEC on January 24, 2019

COMBINED GROUP CASH RUNWAY EXTENDED INTO 2020



Post merger, additional funding expected via partnering opportunities for the non-rare disease products

IMPROVING OUTCOMES FOR PATIENTS IN RARE DISEASES

Denise Scots-Knight – CEO Richard Jones – CFO Alastair Mackinnon - CMO

February 2019

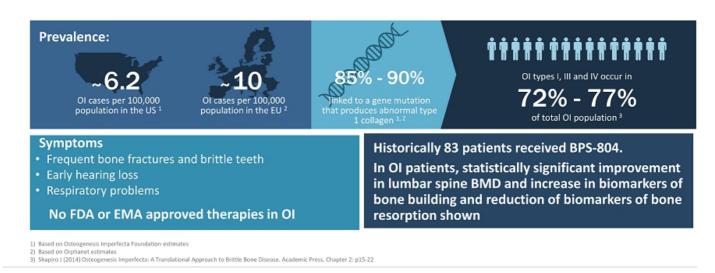


OSTEOGENESIS IMPERFECTA A SEVERE GENETIC BONE DISEASE



OSTEOGENESIS IMPERFECTA (OI)

An orphan genetic chronic bone disorder characterised by fragile bones that break easily



OI TREATMENT: DRUGS USED – NONE FDA OR EMA APPROVED FOR OI

Bisphosphonates

- Alendronate, risedronate, pamidronate, zoledronate, etc.
- Approved for treatment of adult osteoporosis
- Synthetic analogues of pyrophosphate
- Inhibit bone resorption
- Can be given orally or intravenously, depending on compound
- PTH analogue
 - Teriparatide (Forteo[®])
 - Increases number + activity of osteoblasts
 - Increases bone turnover
 - Usefulness in OI not clear
 - Black box warning due to potential risk of osteosarcoma
- RANKL Inhibitor
 - Denosumab (Prolia[®])
 - Inhibits bone resorption

BPS-804 ADULT PHASE 2B STUDY

Completed enrolment: 112 OI Patients Types I, III and IV Primary endpoints	12 months	Study duration: 52 (minimized by the second	
Secondary endpoints	 Trabecular volumetric BMD by BMD by DXA scans at 6 and 12 HRpQCT parameters Bone biomarkers PRO and quality of life 	HRpQCT at 6 months	

BPS-804 - PEDIATRIC PHASE 3 STUDY

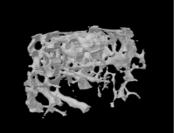
Planned enrolment: ~160 Severe OI Patients Types I, III and IV	24 patients 5-18 years One month dose finding – 3 doses versus placebo Additional 128 patients Randomised 1:1 placebo to selected dose	Initiation in 2019 first in EU and Canada Patients on bisphosphonate therapy
Primary endpoints	Fracture rate versus placebo at 12 months	
endpoints	 Trabecular volumetric BMD by HRpQCT BMD by DXA scans 12 months All HRpQCT parameters Bone biomarkers PRO and quality of life 	

BRITTLE MOUSE MODEL – TREATMENT WITH BPS-804

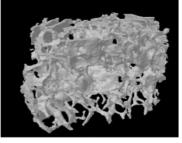
Mature Brtl control



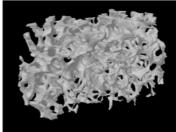
Mature Brtl treated



Mature WT Control



Mature WT Treated

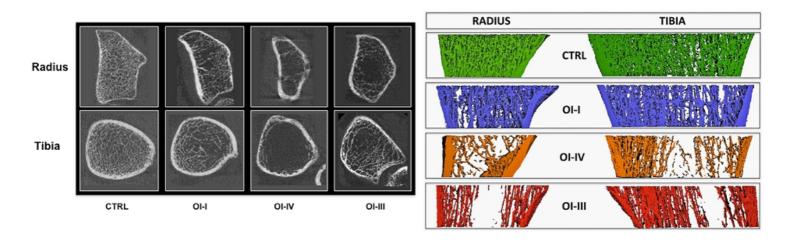


THE OFLEY STUDY AND HRPQCT

- Prospective study investigating the prediction of fracture (Fx) by bone microarchitecture assessed by HRpQCT in postmenopausal women
- HRpQCT used to measure microarchitecture at the distal radius and tibia in 589 women (mean 68 years old)
- During 9 year follow up 135 women sustained a fracture including 81 women with a major osteoporotic fracture
- After adjusting for age women who had fractures had significantly lower total and trabecular volumetric densities (vBMD) at both sites as determined by HRpQCT
- · OI patients have fewer and thinner trabeculae and increased cortical porosity

Bone Microarchitecture Assessed by HR-pQCT as Predictor of Fracture Risk in Postmenopausal Women Sornay-Rendu et al JBMR March 09 2017

HRPQCT SCANS OF PATIENTS WITH OI AND CONTROLS



BPS-804 REGULATORY UPDATE

Orphan drug status EU and US PIP agreed with EMA	 Admitted to the Adaptive Pathway and PRIME in the EU Ongoing interactive dialogue with EMA and HTA's Real world evidence/registries 	Plan to engage with the FDA on extending the pediatric Phase 3 trial to sites in the United States Will initiate the study in EU and Canada
 Once validated, th submission of a Cl 	QCT in the pediatric study he use of HRpQCT data may be sufficient to s MA to the EMA for the treatment of adults r eview with the regulators	



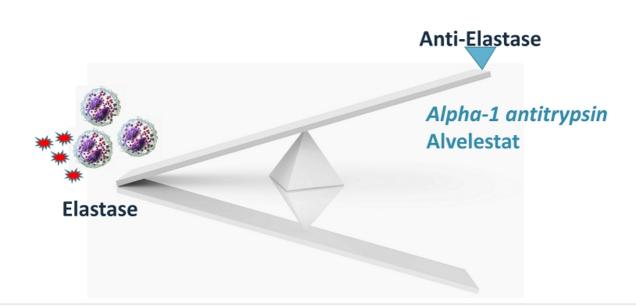
ALPHA-1 ANTITRYPSIN DEFICIENCY (AATD)

An orphan genetic disorder that results in pulmonary disease

Estimated prevalence of (PiZZ and Nulls) North America ~50,000	target patients Europe ~60,000	produ throu folding	tic mutation ces deficiency igh abnormal of the protein or oduction of the protein	Mutations in SERPINA1 gene chromosome 14 Only homozygotes (ZZ's) and Nulls have severe disease
 Symptoms: Age 20-50 - wheeze and reduced exercise tolerance PiZZ and Null adults develop early onset emphysema Some mutations can cause cirrhosis in children Reduced life expectancy 			Current treatment is weekly IV alpha 1 antitrypsin protein – annual cost up to \$150k ~9000 patients MPH-966 in 1000 patients in 4 COPD studies and a cystic fibrosis and bronchiectasis study (positive)	

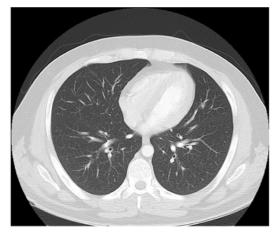
Francisco et al (2012) Rare alpha-1-antitrypsin variants: are they really so rare? Therapeutic Advances in Respiratory Disease January 30 Luisetti et al (2004) α_1 -Antitrypsin deficiency - 1: Epidemiology of α_1 -antitrypsin deficiency Thorax 59:164-169

RESTORING THE BALANCE IN ALPHA-1 LUNG DISEASE WITH NEUTROPHIL ELASTASE INHIBITOR - ALVELESTAT

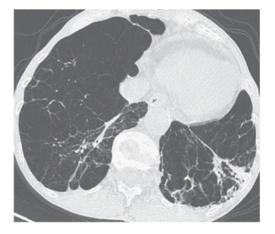


CT IMAGES SHOWING THE LUNG OF AN ALPHA-1 ANTITRYPSIN DEFICIENT PATIENT

Normal lung



AATD lung



MPH-966- RELEVANT CLINICAL STUDIES TO-DATE

Bronchiectasis

- Total of 38 patients in one study
- 22 patients treated for 4 weeks with 60mg BD
- Statistically significant improvement in FEV1 and clinically meaningful improvement in SVC (slow vital capacity)

Cystic Fibrosis

- Total of 56 patients in one study
- 27 patients treated for 4 weeks with 60mg BD
- Statistically significant reduction in the biomarker urine desmosine
- In addition total of 970 patients across four COPD studies

MPH-966 - PROOF OF CONCEPT PHASE 2 STUDY

- Three-arm study with two different dosing arms versus placebo
- Planned enrolment- 165 patients completed
- Treatment duration- 12 weeks
- FPI in November 2018

Primary Endpoint

Desmosine - biomarker shown to have correlation with lung density by CT scan¹

Proposed Patient Population

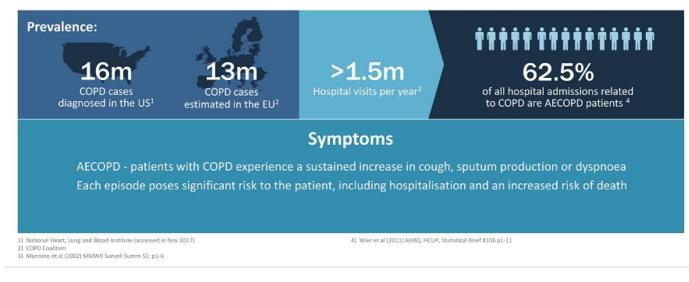
- CT scan emphysema
- Confirmed genotype (PiZZ or Null)
- FEV1>25%

1) A biomarker in KAMADA's RAPID study. Ref: Ma S, Lin YY, Cantor JO, et al. The effect of alpha-1 proteinase inhibitor on biomarkers of elastin degradation in alpha-1 antitrypsin deficiency: An analysis of the RAPID/RAPID Extension trials. Chronic Obstr Pulm Dis. 2017; 4(1): 34-44.



ACUTE EXACERBATIONS OF CHRONIC OBSTRUCTIVE PULMONARY DISEASE (AECOPD)

COPD includes chronic bronchitis, emphysema and some forms of bronchiectasis



BCT-197 MET THE PRIMARY END-POINT IN THE PHASE 2 TRIAL

TOTAL OF 282 PATIENTS

PRIMARY ENDPOINT (CHANGE IN FEV1 FROM BASELINE TO DAY 7 WITHIN THE TREATMENT GROUP)

Primary endpoint met on an ITT basis for both high and low dose regimens (p= 0.012, p \leq 0.001) versus no significant change from baseline (p=0.102) for Standard of Care plus placebo

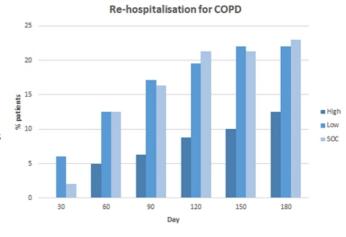
POSITIVE CLINICAL AND HEALTH ECONOMIC OUTCOMES SUPPORTED BY OTHER SECONDARY MEASURES

Statistically significant reduction of more than 50% (p \leq 0.027 to 0.05) in the number of clinical treatment failures compared to standard of care plus placebo as measured by the number of re hospitalisations for the treatment of COPD at days 90 through 150

SAFETY

BCT-197 was reported to be safe and well tolerated with adverse events in line with expectations for this patient population

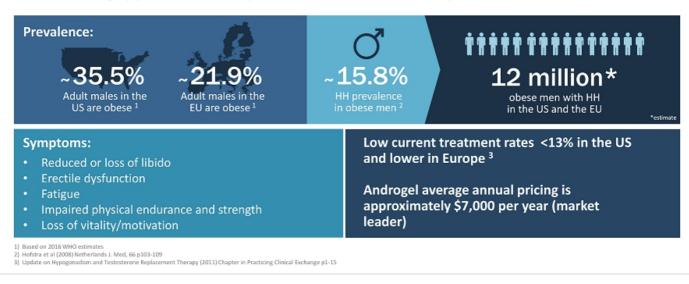
Mereo BioPharma Group plc





HYPOGONADOTROPIC HYPOGONADISM (HH) IN OBESE MEN

A highly prevalent clinical syndrome that results from inadequate levels of testosterone

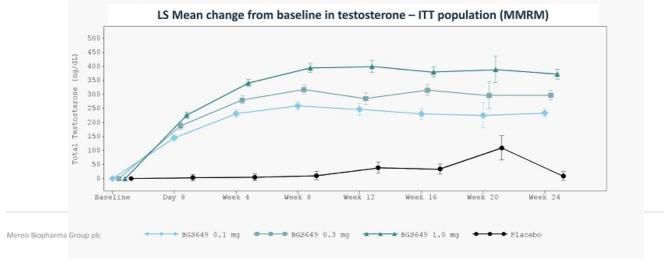


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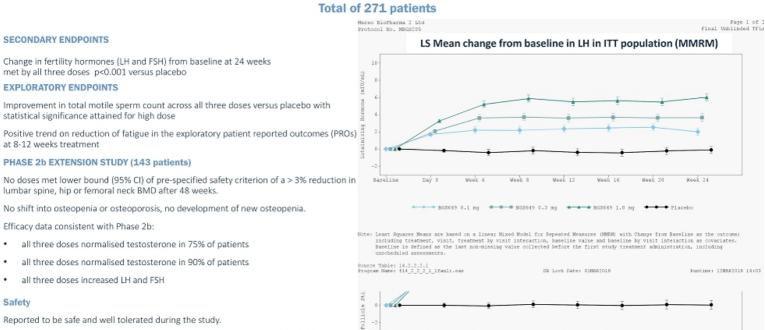
BGS-649 MET THE PRIMARY END POINT IN THE PHASE 2B TRIAL

TOTAL OF 271 PATIENTS

- PRIMARY ENDPOINT: normalisation of testosterone @ 24 wk in >75% subjects
 - Met at all three doses p<0.001 versus placebo
 - No patient >1500 ng/dl at any time point, in the treatment groups
- SECONDARY ENDPOINT: normalisation of testosterone @ 24 wk in >90% subjects met in top two doses (p<0.001) with 88% of subjects on dose
 Final Unblinded TFLs



BGS-649 MET THE SECONDARY END POINTS IN THE PHASE 2B TRIAL



7.

Reported to be safe and well tolerated during the study.

Increased incidence of elevated haematocrit levels was noted and in the higher doses small increases in blood pressure, both consistent with increasing testosterone levels

Mereo Biopharma Group plo

BG8649 0.1 mg - BG8649 0.3 mg - BG8649 1.0 mg -40

Mank 12

Mank 16

Week 20

X002 24

· Placebo

Note: Least Bquares Means are based on a linear Mixed Model for Repeated Measures (MMBM) with Change from Baseline as the outcome including treatment, visit, treatment by visit interaction, baseline value and baseline by visit interaction as covariates Rameline is defined as the last monetaissing value collected before the first study treatment administration, including

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FINANCIAL HIGHLIGHTS

Total financing raised since launch

£126 million*

- £15m (gross) placing completed in April 2017
- £20m debt facility agreed in August, 2017 fully drawn as at December 31, 2017

*(gross including debt facility)

Novartis convertible debt balance at June 30 2018

£2.3 million

R&D spend in 1H 2018 £10.9 million

(£10.5m on non-GAAP adjusted basis)

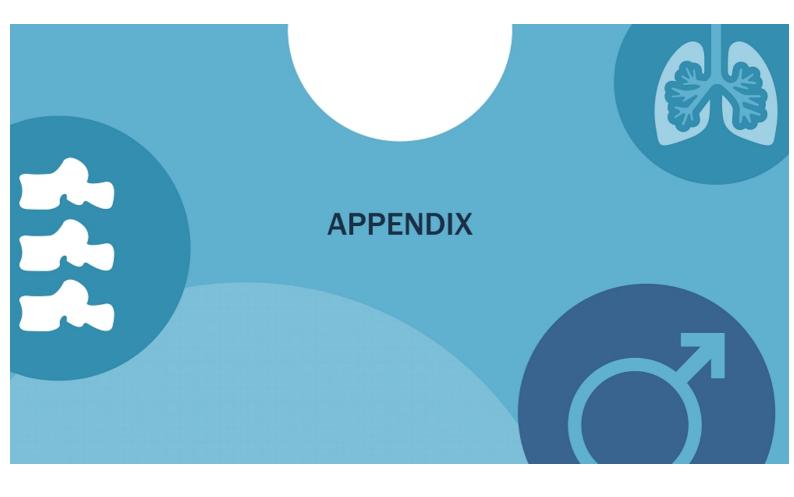


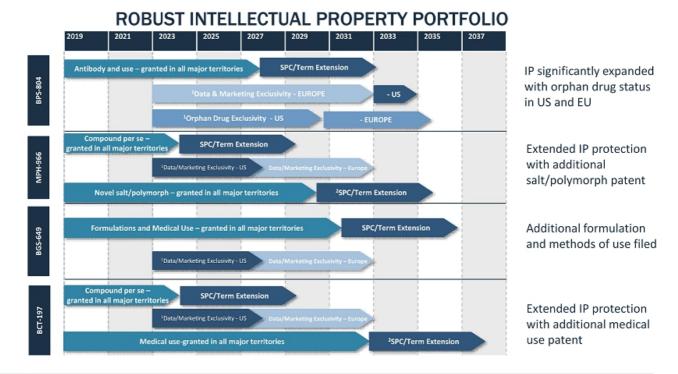
Admin Expenses in 1H 2018 £7.1 million

(£3.8m on non-GAAP adjusted basis)

Funded through to key clinical milestones







1. Dependant on MA date 2. Alternative SPC extension

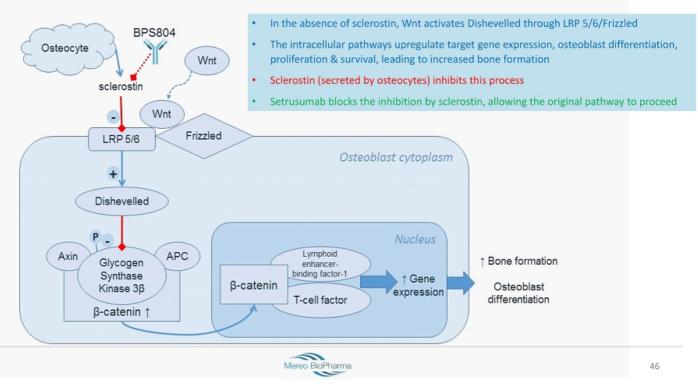
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GUIDANCE ON TERMS OF PRODUCT ACQUISITION AND LICENSE AGREEMENTS

Transaction	Mereo Entitlement	NVS/AZ Entitlement
Licence of product in territory or worldwide	Majority percent of licensing income (upfront, milestones and royalties)	Share of licensing income (upfront, milestones and royalties)
Commercialisation by Mereo (territory or worldwide)	Product sales	Ascending tiered royalties typical for Phase 2 products and in the case of AZ cash milestones on sales
Sale of Mereo subsidiary	Proceeds from sale	Buyer steps into Mereo's shoes re (i) royalties and any milestones on any products directly commercialised by Buyer (ii) sharing any licensing income
Sale of Mereo Group	Exit for shareholders (NVS and AZ equity)	Buyer steps into Mereo's shoes re (i) royalties and/or milestones on any products directly commercialised by Buyer (ii) sharing any licensing income
Option to acquire MPH966 outright		Equity and cash milestones including successful POC study and initiation of pivotal study

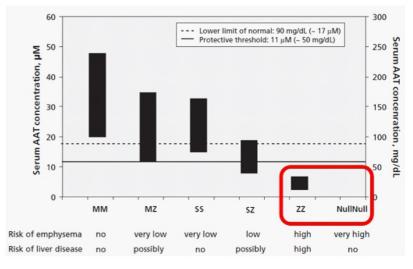
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SETRUSUMAB: MECHANISM OF ACTION



ALPHA 1 ANTITRYPSIN DEFICIENCY CURRENT TREATMENT

- Routine COPD medications
- Augmentation therapy:
 - Plasma derived alpha 1 anti trypsin
 - Weekly one hour IV infusion
 - Approval based on restoration of A1AT to a threshold level NOT clinical outcome data
 - Cost \$150k pa
 - ~9,000 patients treated
- Surgery lung volume reduction surgery or transplant



¹Brode et al Alpha-1 antitrypsin deficiency: a commonly overlooked cause of lung disease. CMAJ, September 4, 2012, 184(12)

LONG TERM AUGMENTATION AND SHORT TERM TREATMENT WITH AZD-9668 - IMPACT ON DESMOSINE



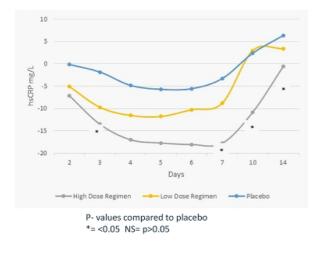
RAPID study - 2 years of augmentation in AATD patients

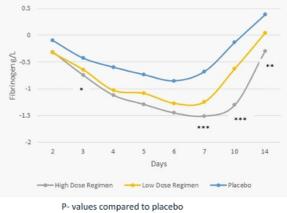
- Reduced loss of lung density:
 - Total lung capacity (TLC) -1.45g/l/year vs -2.19 g/l/year (P=0.03)
- Post hoc analysis demonstrated correlation in change in desmosine vs lung density (reduced desmosine – less loss of lung density)

BCT-197 RESULTED IN A SIGNIFICANT REDUCTION IN THE INFLAMMATORY MARKERS HSCRP AND FIBRINOGEN IN THE FIRST 14 DAYS DURING THE INDEX EXACERBATION

· Dose - dependent, statistically significant reductions in key inflammatory markers hsCRP and fibrinogen

Suppression of hsCRP maintained through the 26-week observation period





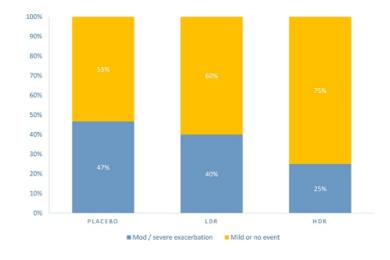
*= <0.05 **=<0.02 ***=<0.01

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BCT197 REDUCED THE PERCENTAGE OF PATIENTS WHO SUFFERED A SUBSEQUENT EXACERBATION IN FREQUENT EXACERBATORS

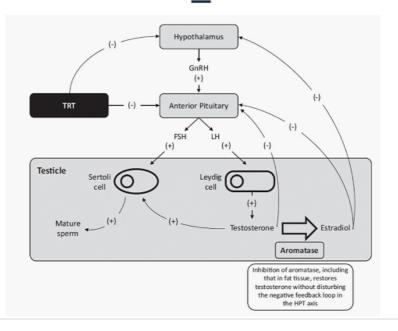
· Effect on moderate/severe exacerbations best seen in patients with >= 2 exacerbations / year

· Patient population with highest unmet need



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BGS-649 (HH): HPT FEEDBACK LOOP PROCESS



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SUMMARY OF FINANCIAL RESULTS

FOR THE SIX MONTHS ENDED JUNE, 30 2018

H1'18	H1'18 £'000	Share based payments £'000	Fx £'000	One off legal costs £'000	H1'2018 Non-GAAP £'000	H1'2017 Non-GAAP £'000	
Development costs	(10,864)	337	-		(10,527)	(20,823)	
Admin expenses	(7,102)	1,080		2,235	(3,787)	(2,982)	
Operating loss	(17,966)				(14,314)	(23,805)	
Finance charge	(1,386)		87		(1,299)	199	
Loss before tax	(19,352)				(15,613)	(23,606)	
Тах	2,365				2,365	4,546	
Net Loss	(16,988)	1,417	87	2,235	(13,249)	(19,060)	
EPS	24 pence				19 pence	28 pence	
Net cash resources					36, 912*	56,575	

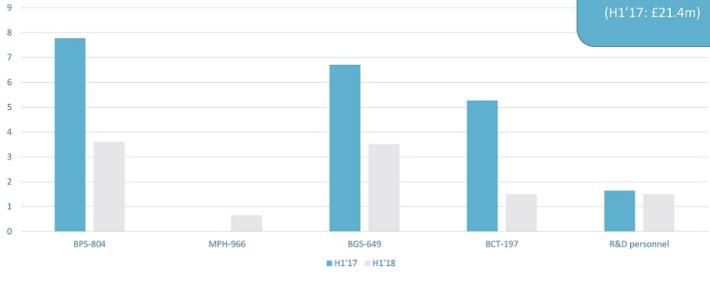
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* Excludes FY '17 R&D tax credit due of £8.2m

R&D COSTS BY SEGMENT (£'M)

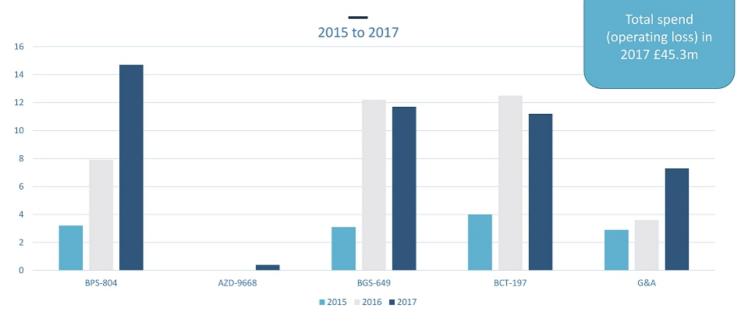


Total R&D costs H1 '18 £10.9m (H1'17: £21.4m)



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TOTAL OPERATING COSTS BY SEGMENT (£'M)



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