



Combination of Mereo BioPharma and OncoMed Pharmaceuticals

5 December 2018

DISCLAIMER

No Offer or Solicitation

This communication is not intended to and does not constitute an offer to sell or the solicitation of an offer to subscribe for or buy or an invitation to purchase or subscribe for any securities or the solicitation of any vote in any jurisdiction pursuant to the proposed transactions or otherwise, nor shall there be any sale, issuance or transfer of securities in any jurisdiction, in each case in contravention of applicable law. No offer of securities shall be made except by means of a prospectus meeting the requirements of Section 10 of the Securities Act and applicable European or UK, as appropriate, regulations. Subject to certain exceptions to be approved by the relevant regulators or certain facts to be ascertained, the public offer will not be made directly or indirectly, in or into any jurisdiction where to do so would constitute a violation of the laws of such jurisdiction, or by use of the mails or by any means or instrumentality (including without limitation, facsimile transmission, telephone and the internet) of interstate or foreign commerce, or any facility of a national securities exchange, of any such jurisdiction.

Additional Information

Important Additional Information Will be Filed with the SEC

Mereo will file with the SEC a Registration Statement on Form F-4 containing the proxy statement/prospectus of OncoMed that also constitutes a prospectus of Mereo (the "proxy statement/prospectus") and other documents concerning the proposed merger with the SEC. **BEFORE MAKING ANY VOTING DECISION, INVESTORS AND STOCKHOLDERS ARE URGED TO CAREFULLY READ THE PROXY STATEMENT/PROSPECTUS, AND OTHER RELEVANT DOCUMENTS TO BE FILED WITH THE SEC, IN THEIR ENTIRETY WHEN THEY BECOME AVAILABLE AND ANY OTHER DOCUMENTS FILED BY EACH OF MERO AND ONCOMED WITH THE SEC IN CONNECTION WITH THE PROPOSED MERGER OR INCORPORATED BY REFERENCE THEREIN BECAUSE THEY WILL CONTAIN IMPORTANT INFORMATION ABOUT MERO, ONCOMED, THE PROPOSED TRANSACTIONS 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 www.sec.gov. In addition, investors and stockholders will be able to obtain free copies of the proxy statement/prospectus and other documents filed with the SEC on Mereo's website at www.mereobiopharma.com (for documents filed with the SEC by Mereo) or on OncoMed's website at www.oncomed.com (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, which was filed with the SEC on April 27, 2018. To the extent the holdings of OncoMed's securities by the Company's directors and executive officers have changed since the amounts set forth in OncoMed's proxy statement for its 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 proxy statement/prospectus relating to the proposed merger when it is filed with the SEC. These documents (when available) may be obtained free of charge from the SEC's website at www.sec.gov, OncoMed's website at www.oncomed.com and Mereo's website at www.mereobiopharma.com.

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,” “outlook” 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 reasonable as 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 or delays in research and development programs; unanticipated 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; risks related to the changes in market prices of the shares of OncoMed’s common stock or Mereo’s ordinary shares relative to the exchange ratio; ability to hire and retain key personnel; the potential impact of announcement 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 adversely 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’s 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	<ul style="list-style-type: none"> • 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 represents a total value of \$57 million and a 34% premium to OncoMed's total market cap as of market close on 4 Dec 2018
Contingent Value Rights	<ul style="list-style-type: none"> • TIGIT: Issuance of additional Mereo ADRs if OncoMed's partner Celgene exercises its opt in right on the TIGIT program before 31 Dec 2019 <ul style="list-style-type: none"> • 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⁽²⁾ • NAVI: Cash payment of 70% of the net proceeds of any milestones received by Mereo in relation to NAVI for 5 years following completion <ul style="list-style-type: none"> • Subject to a cap of approximately \$80 million
Management & Governance	<ul style="list-style-type: none"> • 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
Approvals & Closing	<ul style="list-style-type: none"> • Transaction has been unanimously approved by the Board of Directors of each company • Expected closing in H1 2019, subject to OncoMed shareholder approval

⁽¹⁾ Based on the total number of Mereo ordinary shares currently outstanding and subject to an adjustment mechanism based on target OncoMed cash balance of \$38 million at closing

⁽²⁾ 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)





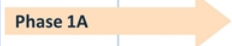
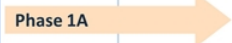
OVERVIEW OF ONCOMED

OncoMed Overview

- Clinical stage biopharmaceutical company focused on discovering and developing novel anti-cancer therapeutics
- 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

Key Product Overview & Pipeline

- **Navicixizumab** ("NAVI"): bispecific monoclonal antibody that targets and inhibits 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 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

STRATEGIC RATIONALE FOR THE COMBINATION

1 Combined portfolio of seven assets with near-term value catalysts	2 Strong combined cash position	3 US and UK stock market listing	4 Enhanced team, capabilities and infrastructure
<ul style="list-style-type: none"> • Three phase 2 readouts in core orphan products in 2019 (Mereo's BPS-804 and MPH-966) • Potential partnerships of Merco's BCT-197 and BGS-649 programs • Potential partnership of OncoMed's navicixizumab • Ongoing Celgene collaboration with an option to license OncoMed's etigilimab 	<ul style="list-style-type: none"> • Extends Merco'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 	<ul style="list-style-type: none"> • Increased liquidity for shareholders • More diversified, global shareholder base • US institutional specialist healthcare investors 	<ul style="list-style-type: none"> • 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

Executive	Select Experience
 Dr. Denise Scots-Knight Chief Executive Officer	  
 Richard Jones Chief Financial Officer	 
 Dr. Alastair MacKinnon Chief Medical Officer	  
 Charles Sermon General Counsel	  
 John Richard Head of Corporate Development	  
 Wills Hughes-Wilson Head of Patient Access & Commercial Planning	 





Enlarged Group Board of Directors

Mereo board will be expanded to include two of OncoMed's directors

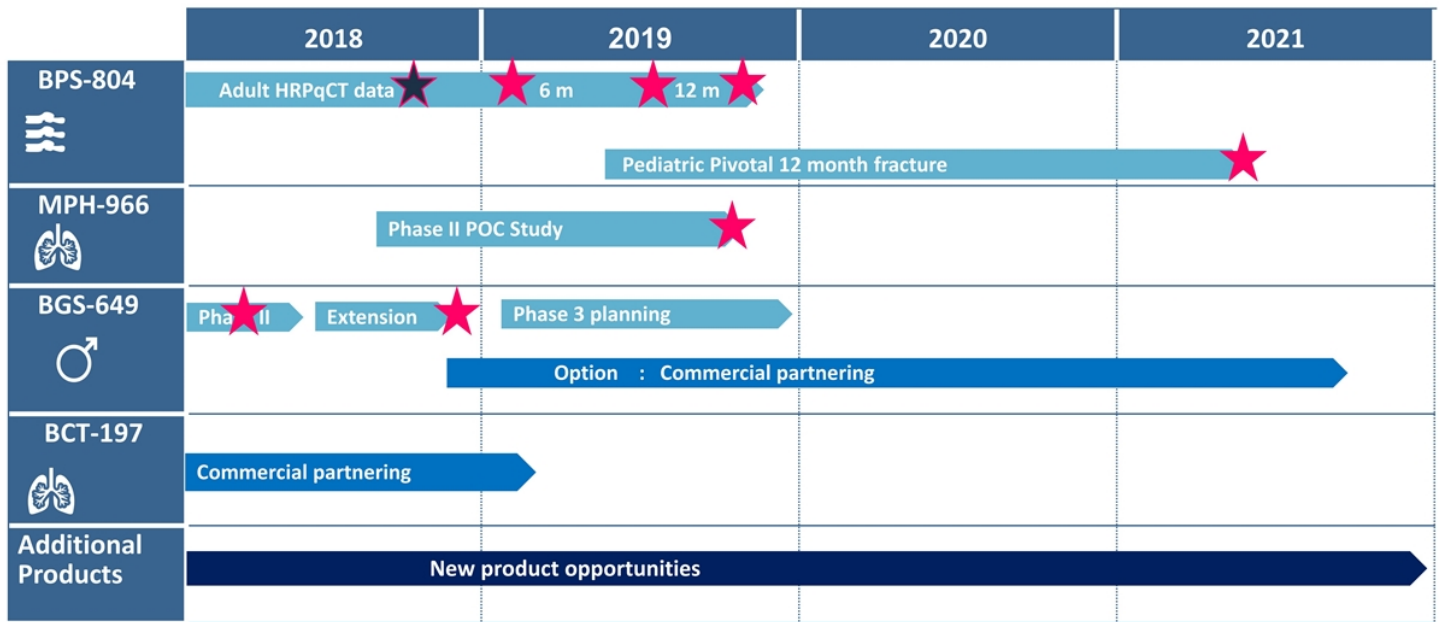
 Dr. Peter Fellner Chairman	 Dr. Denise Scots-Knight Executive Director CEO and Co-Founder
 Richard Jones Executive Director CFO	 Dr. Anders Ekblom Non-Executive Director
 Dr. Frank Armstrong Non-Executive Director	 Peter Bains Non-Executive Director
 Kunal Kashyap Non-Executive Director	 Paul Blackburn Non-Executive Director
+	
  Deepa R. Pakianathan Non-Executive Director	 Michael Wyzga Non-Executive Director



OVERVIEW OF MEROE – CURRENT PRODUCT PIPELINE

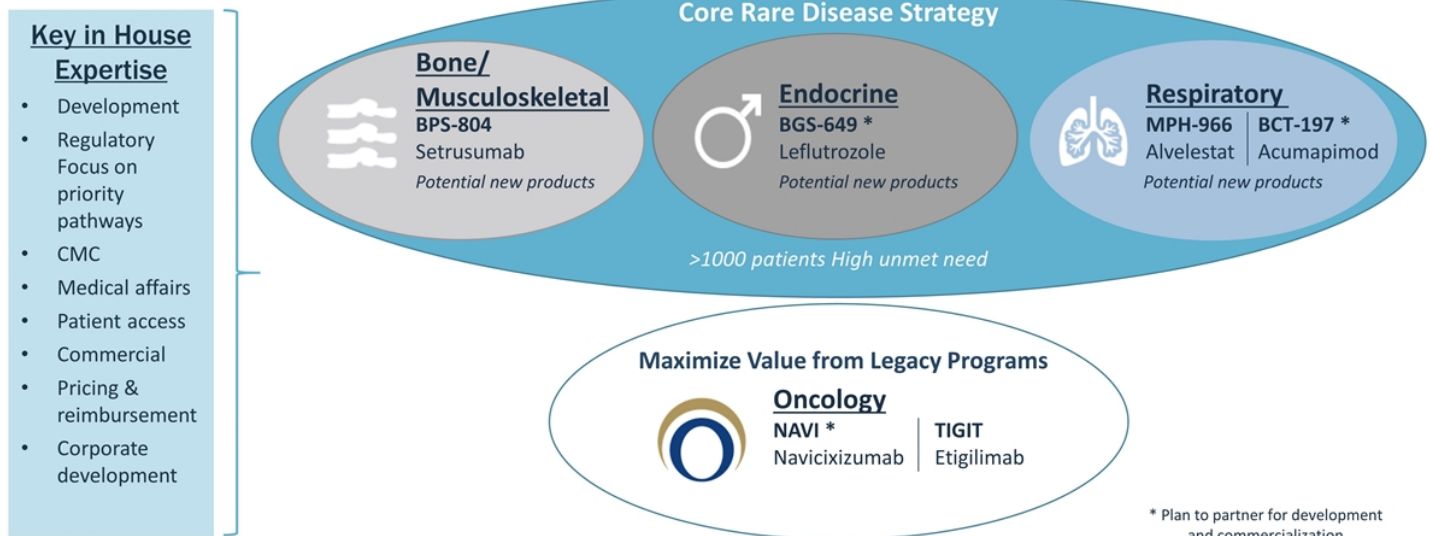
Product Candidate Indication	Phase 1	Phase 2a	Phase 2b	Last Milestone	Next Anticipated Milestones
BPS-804 (setrusumab) <i>Osteogenesis Imperfecta</i>				Phase 2b initiated	Top-line data from open label arm of Phase 2b trial in adults in 1H 2019 and commence pediatric Phase 3 study in Europe and Canada in 2019
MPH-966 (alvelestat) <i>Severe Alpha-1 Antitrypsin Deficiency</i>				Positive Phase 2 data in bronchiectasis	Phase 2 trial top-line data in severe AATD in 4Q 2019
BCT-197 (acumapimod) <i>Acute Exacerbations of COPD</i>				Positive Phase 2 data	Enter into strategic relationship for further clinical development
BGS-649 (leflutrosole) <i>Hypogonadotropic Hypogonadism in Obese Men</i>				Positive Phase 2b data	Phase 2b extension study data 4Q 2018

OVERVIEW OF MEROE – UPCOMING KEY MILESTONES



CORPORATE AND COMMERCIAL STRATEGY

The core strategy of the combined business will remain focused on orphan diseases



NEXT STEPS

- Filing with the SEC of a Registration Statement on Form F-4 for Mereo
- Proxy statement of OncoMed (to be included in Mereo Form F-4)
- OncoMed shareholder meeting

Targeting completion in H1 2019



Mereo BioPharma Group plc

One Cavendish Place
London, W1G 0QF

UK

+44 (0)333 0237 300

