



Unlocking the potential of novel targets for cancer and rare diseases

March 2022

Mereo BioPharma Group plc

NASDAQ: MREO



Disclaimer



This presentation has been prepared by Mereo BioPharma Group plc (the “Company”) solely for your information and for the purpose of providing background information on the Company, its business and the industry in which it operates or any particular aspect thereof. For the purposes of this notice, “presentation” means this document, any oral presentation, any question and answer session and any written or oral material discussed or distributed during any related presentation meeting.

This presentation has not been independently verified and no representation or warranty, express or implied, is made or given by or on behalf of the Company or any of its subsidiaries, or any of any such person’s directors, officers, employees, agents, affiliates or advisers, as to, and no reliance should be placed on, the accuracy, completeness or fairness of the information or opinions contained in this presentation and no responsibility or liability is assumed by any such persons for any such information or opinions or for any errors or omissions. All information presented or contained in this presentation is subject to verification, correction, completion and change without notice. In giving this presentation, none of the Company or any of its subsidiaries, or any of any such person’s directors, officers, employees, agents, affiliates or advisers, undertakes any obligation to amend, correct or update this presentation or to provide the recipient with access to any additional information that may arise in connection with it. To the extent available, the data contained in this presentation has come from official or third-party sources. Third party industry publications, studies and surveys generally state that the data contained therein have been obtained from sources believed to be reliable, but that there is no guarantee of the accuracy or completeness of such data. While the Company believes that each of these publications, studies and surveys has been prepared by a reputable source, the Company has not independently verified the data contained therein. In addition, certain of the data contained in this presentation come from the Company’s own internal research and estimates based on the knowledge and experience of the Company’s management in the market in which the Company operates. Further, certain of the data has been provided to the Company by contract research organizations that the Company retains to conduct clinical trials, or by other third parties contracted by the Company. While the Company believes that such internal research and estimates and such other data are reasonable and reliable, they, and, where applicable, their underlying methodology and assumptions, have not been verified by any independent source for accuracy or completeness and are subject to change without notice. Accordingly, undue reliance should not be placed on any of the data contained in this presentation.

Forward-Looking Statements

This presentation contains “forward-looking statements.” All statements other than statements of historical fact contained in this presentation are forward-looking statements within the meaning of Section 27A of the United States Securities Act of 1933, as amended, and Section 21E of the United States Securities Exchange Act of 1934, as amended. Forward-looking statements relate to future events, including, but not limited to, statements regarding future clinical development, efficacy, safety and therapeutic potential of clinical product candidates, including expectations as to reporting of data, conduct and timing and potential future clinical activity and milestones and expectations regarding the initiation, design and reporting of data from clinical trials. 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 the Company’s current expectations, beliefs and assumptions concerning future developments and involve risks and uncertainties that could cause actual results, performance, or events to differ materially from those expressed or implied in such statements. You should carefully consider the foregoing factors and the other risks and uncertainties that affect the Company’s business, including those described in the “Risk Factors” section of its latest Annual Report on Form 20-F, reports on Form 6-K and other documents furnished or filed from time to time by the Company with the Securities and Exchange Commission. You should not place undue reliance on any forward-looking statements, which speak only as of the date hereof. The Company undertakes no obligation to publicly update or revise any 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. This presentation also contains estimates, projections and other information concerning the Company’s business and the markets for the Company’s product candidates, including data regarding the estimated size of those markets, and the incidence and prevalence of certain medical conditions. Information that is based on estimates, forecasts, projections, market research, or similar methodologies is inherently subject to uncertainties and actual events, or circumstances may differ materially from events and circumstances reflected in this information. Unless otherwise expressly stated, the Company obtained this industry, business, market and other data from reports, research surveys, clinical trials studies and similar data prepared by market research firms and other third parties, from industry, medical and general publications, and from government data and similar sources.

Mereo – A Rare Disease and Oncology Company

Our Mission

To improve the lives of patients with rare diseases and cancer

Strategic Principles

#1

Acquire & develop programs in oncology and rare diseases

#2

Commercialize rare disease products

#3

Partner programs where it makes strategic sense

#4

Focus on our core competences in rare diseases



Achievements & Fundamentals

- Risk sharing partnerships for acquisition/license of four clinical stage programs
- **Global Partnership** for a core rare disease program with UK & European commercial rights retained
- Three successful Phase 2 studies and ongoing Phase 2 and Phase 1b/2
- Partnering three non-core programs – one successfully out licensed
- Cash runway into 2024 with significant news flow through 2022 (NASDAQ:MREO)

Our Partners



A Diversified Mid-Late Stage Pipeline

Core Programs					
Product candidate / indication	Phase 1a	Phase 1b	Phase 2	Phase 3	Next Milestone
Etigilimab Solid tumors	<div></div>	<div></div>	<div></div>		Phase 1b/2 full enrolment and data Phase 2 cohort expansion
Alvelestat Alpha-1 antitrypsin deficiency COVID-19 BOS*	<div>COPD/CF/Bronchiectasis</div>		<div>AATD</div>		AATD: Phase 2 PoC data BOS: Phase 2 data
	<div>BOS** - Phase II initiated</div>		<div></div>		
	<div>COVID-19**</div>		<div></div>		
Setrusumab Osteogenesis imperfecta	<div></div>			<div></div>	Initiation of pediatric pivotal study (5-25 yrs)
				<div></div>	Initiation of pediatric phase 2 study (<5 yrs)
With partnering opportunities on non-core programs					Financing Milestones
Acumapimod Acute exacerbations of COPD	<div></div>				Separate funding/partner
Leflutrozoole HH Infertility	<div></div>				Partner
Navicixizumab Ovarian Cancer	<div></div>			<div>Key<div><div></div>Completed<div><div></div>Ongoing</div></div></div>	OncXerma ~ \$300M milestones + royalties 3

*BOS: Bronchiolitis obliterans; ** Investigator initiated studies in collaboration with University of Alabama in Birmingham & National Cancer Institute



Etigilimab (MPH-313)



The role of TIGIT in Immune Cell responses

TIGIT* is a Negative Regulator of T cell Responses

What is TIGIT?

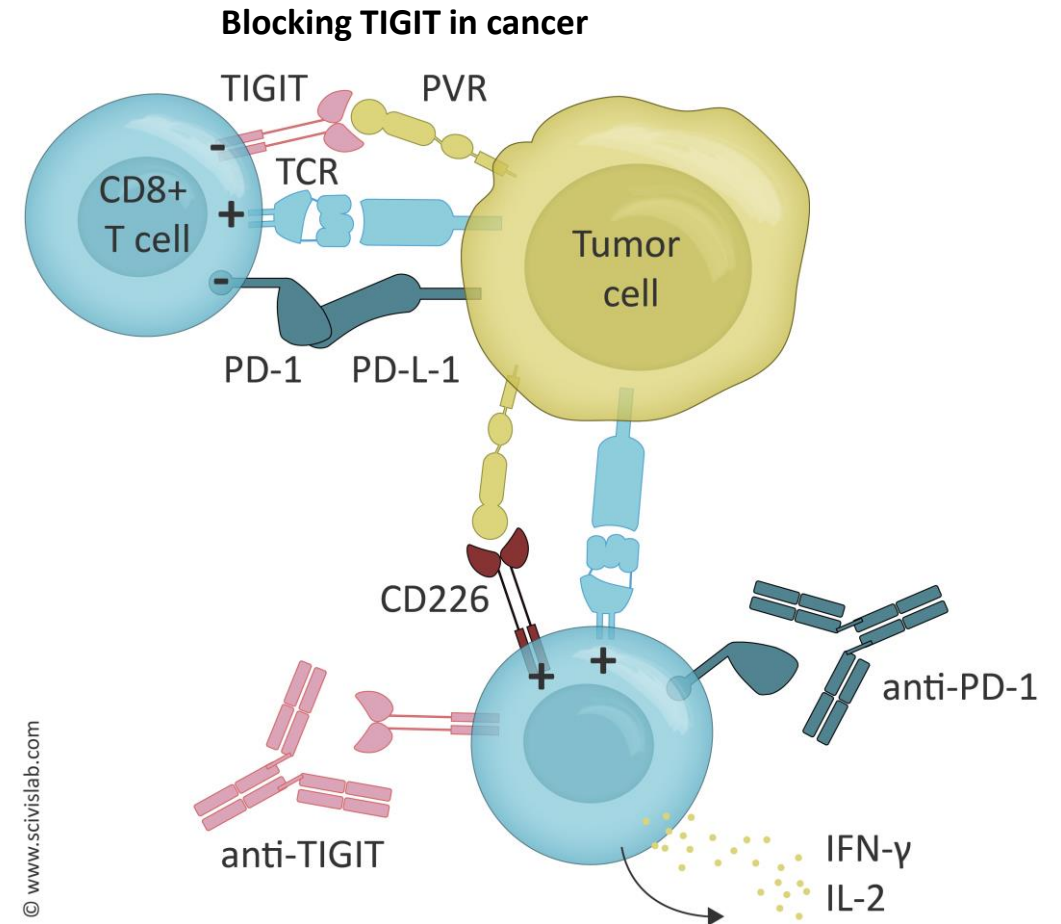
- Negative regulator of T-cell response
- Competes with CD226 for PVR, and disrupts CD226 activation

Where is TIGIT Expressed?

- Highly expressed on regulatory T cells (tregs), exhausted T-cells
- Also expressed on CD4, CD8 and NK cells

Rationale

- Inhibit TIGIT and PVR axis inhibiting T-cell inactivation
- Co-blockade of anti-TIGIT and anti-PD1 elicits anti-tumor activity



Etigilimab – Early but promising initial Phase 1b/2 data

Efficacy

- In Phase 1a monotherapy – seven subjects (30%, n=23) with stable disease
 - Majority heavily pre-treated with prior check-point inhibitors and chemotherapy
- In Phase 1b combination with nivolumab—one partial response* and one stable disease (n=10)
- Some patients remaining on treatment for >200 days

Safety

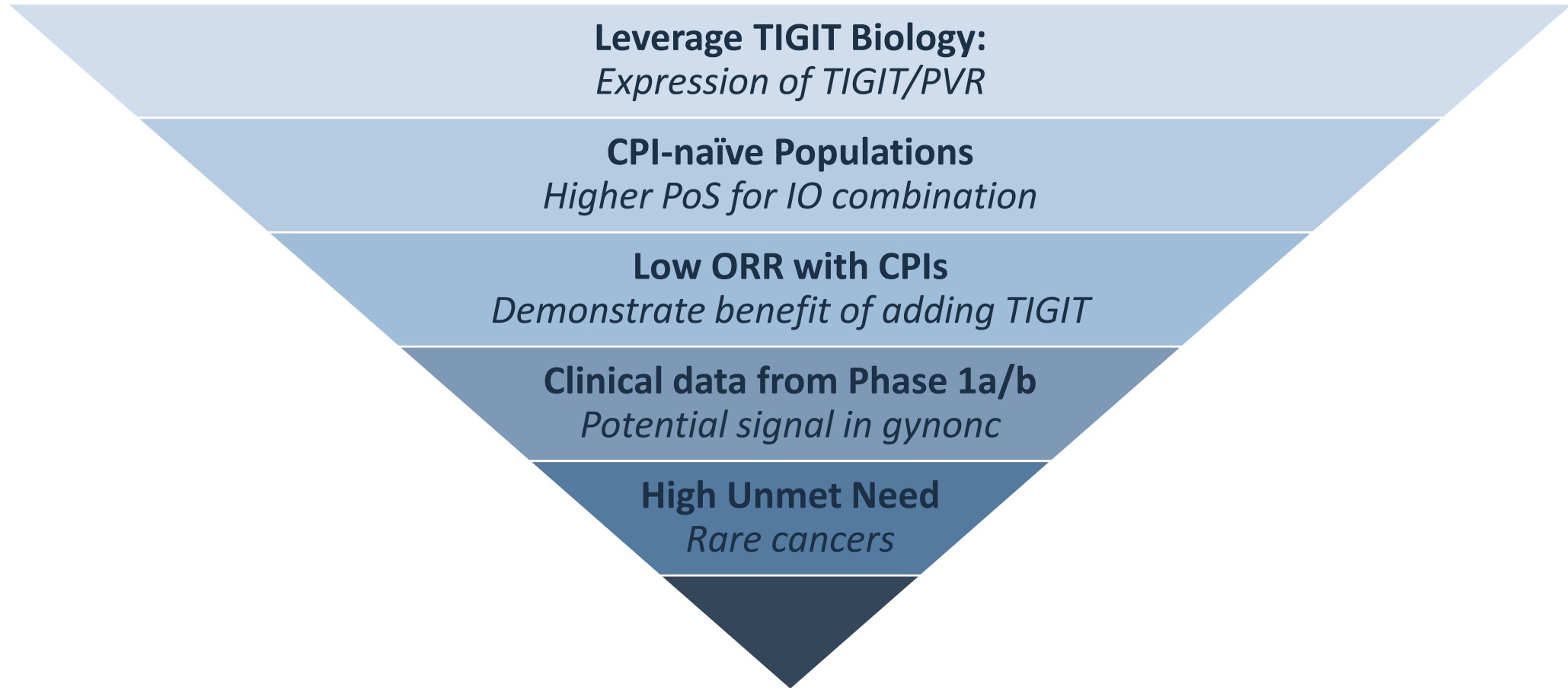
- No DLTs observed; generally well-tolerated
- Adverse events consistent with immune-related adverse events.
- Favorable PK profile and no evidence of anti-drug antibodies

Biomarker data

- Target engagement demonstrated in Phase 1a
 - Activation of T-cell and NK cell subpopulations
 - Reduced Tregs in circulation, with corresponding increase in CD8/Treg ratio

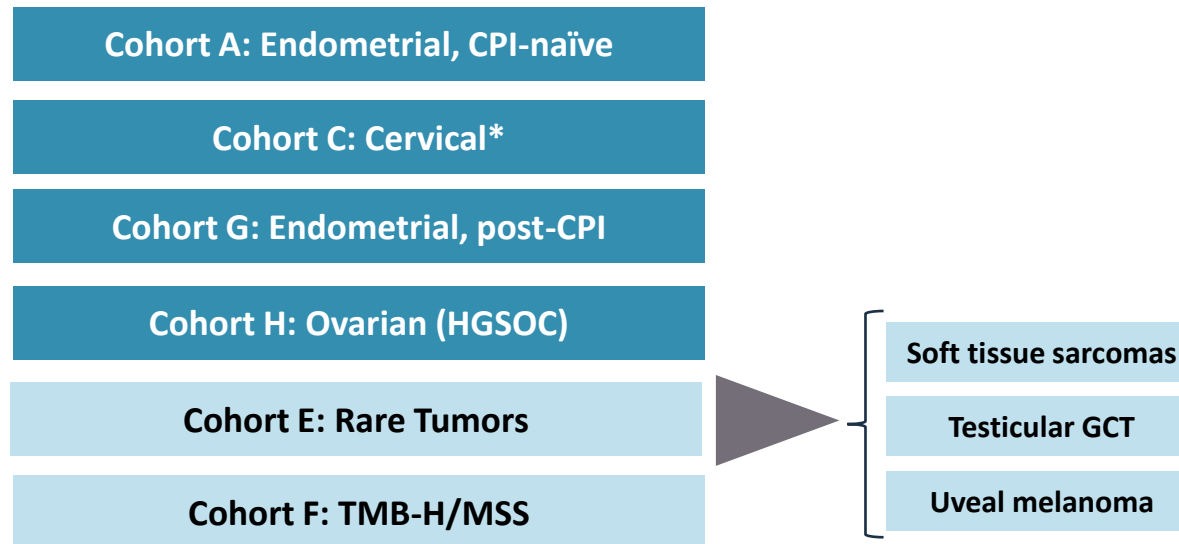
*Partial response in an ovarian patient

Guiding Principles for Differentiated Clinical Development of Etigilimab



ACTIVATE Phase 1b/2 Study Design: Multiple Parallel Cohorts Evaluating Etigilimab + Nivolumab in Select Recurrent Advanced/Metastatic Solid Tumors

6 cohorts, N=~125



*Requires CPS ≥1% for eligibility

Clin Trials Identifier: NCT04761198

Statistical rigor provided by Simon Two-Stage design with futility monitoring for progression to stage two. Open label allows for dynamic decision making

Study Endpoints

Primary
Overall Response Rate Investigator-assessed (RECIST 1.1; Collect and hold)
Secondary
Safety and Tolerability
PK/PD
Duration of response
Exploratory
Biomarker
PFS
OS
ORR (iRECIST)

Tumor responses at baseline, every 8 wk for the first 48 wk, and every 12 wk thereafter

ACTIVATE Trial: Preliminary Efficacy

*Investigator RECIST 1.1 assessment per timepoint**

Objective Responses by RECIST	Cohort							
	A EC (CPI-naïve) N=0	B H&N N=1	C Cervical N=1	E TMB-H/MSS N=4†	F Uveal- 6 Sarcoma-5 GCT-1 N=12†	G EC (Post-CPI) N=0	H Ovarian N=4	Total evaluable n=20 ¹ Efficacy analysis ² n=15
CR			1					1
PR							1	1
SD				1	2		1	4
PD		1		2	9		2	14
ORR (CR+PR)								13.3%
DCR (CR+PR+SD)								40.0%

¹Evaluable population data reflect a minimum of first scan at 8 weeks for all patients of the safety analysis set, data cut off date 11/18/2021

²Efficacy analysis set excludes: 5 sarcoma subjects –non-prioritized histology enrolled early in trial

Preliminary Efficacy by Subject: Key Biomarker Correlations*

Benefit in PD-L1 negative/PVR positive patients

Subject ID	Cohort/Tumor	PD-L1 status	Other pertinent biomarkers	Response and Study Status
102-101-C001	Cervical cancer	Positive	PVR – N/A	cCR, Off study^
102-101-E025†	TMB-H/MSS Cervical cancer	Positive	PVR+	uSD Completed cycle 7
102-107-H024	Ovarian cancer	Negative	PVR+	uPR Completed cycle 8
102-107-H029	Ovarian cancer	Negative	PVR+	uSD Completed cycle 5
102-101-F020	Uveal melanoma	Negative	PVR+	uSD Completed cycle 8
102-101-F030	Uveal melanoma	Negative	PVR – N/A	uSD Completed cycle 5

*Statistical outputs for IDMC, Data cutoff date – 10/15/2021, unclean data from soft lock of database on 11/18/2001, RAVE database, PI communications

^ Subject withdrew consent, but CR was sustained at time of withdrawal

n/a (not available): C001 FFPE tumor not evaluable; F030 tumor not available at time of analysis

† Subject 102-101-E025 is a TMB-high cervical patient

ACTIVATE Trial: Interim Biomarker Analysis

Tumor	#	Response	PDL1	PVR	TIGIT
Cervical	C001	CR	positive	n/a	n/a
TMB-H/MSS Cervical	E025	SD	positive	90%	positive
Ovarian	H024	PR	negative	65%	positive
	H029	SD	negative	55%	positive
Uveal	F020	SD	negative	70%	negative
	F030	SD	n/a	n/a	n/a

n/a (not available): C001 FFPE tumor not evaluable; F030 tumor not available at time of analysis

>1% PDL1 CPS

≥2+ on tumor cells

>1% CPS

PVR	FFPE Tissue	SD	PR	CB
High	9	3	1	4 (44%)
Low	7	0	0	0

High= 4 ovarian, 1 sarcoma, 2 uveal, 1 colon, 1 cervical; Low= 1 mediastinal germ cell, 3 sarcoma, 2 uveal melanoma, 1 HNSCC

High: >50% at 2+ or greater

Summary of AEs (Safety Analysis Set - n=22)*

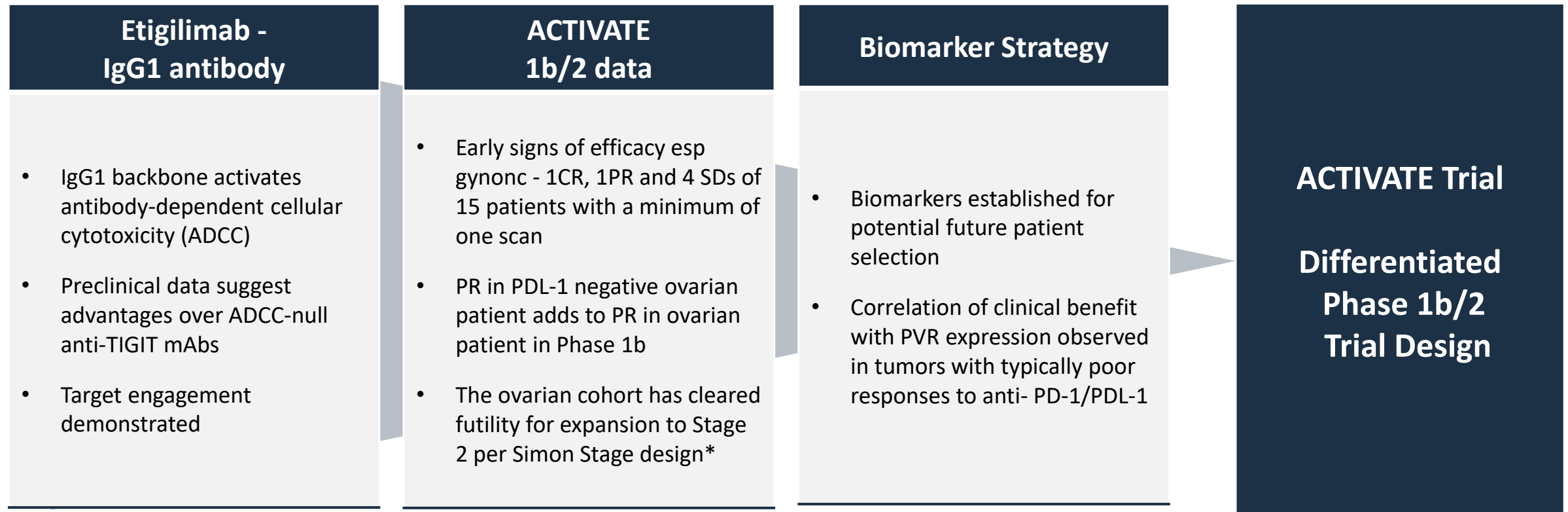
- AEs related to study treatment occurred in 10 subjects – mostly low grades
 - There were 18 events related to study treatment
 - Most were related to both etigilimab and nivolumab
- The most common treatment-related AEs were due to skin reactions – 7 events
- None of them required treatment with systemic steroids
- There was only one Grade 3 treatment-related AE requiring prolonged treatment (immune-related diabetes mellitus)

	n (%)
Any TEAEs	62
Grade \geq 3 TEAEs	1 (1.6)
All Related AEs	18 (29.0)
Grade \geq 3 Related AEs	1** (5.5)
Related SAEs	0
Related discontinuations	0
Related deaths	0

**Diabetes mellitus

*Statistical outputs for IDMC, Data cutoff date – 10/15/2021, unclean data from soft lock of database

Etigilimab - Anti-TIGIT Antibody With Differentiated Development Path





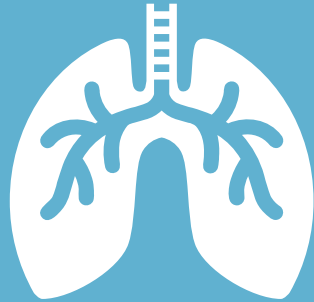
Alvelestat (MPH-966)



Alvelestat - An Oral Inhibitor Of Neutrophil Elastase (NE)

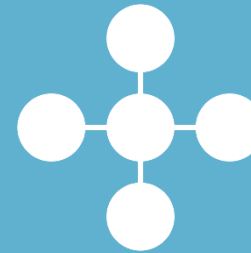
- Alvelestat is a potent, reversible, oral inhibitor of neutrophil elastase, with safety established in >1000 subjects

Two development pathways :



Alpha-1 anti-trypsin
deficiency (AATD)

**AATD - two Phase II PoC
trials ongoing**



Signal Seeking

**Signal seeking studies in
COVID-19 and GVHD BOS***

AATD-Lung Disease - A Rare Progressive Disease With A High Unmet Need

Alph-1 antitrypsin (AAT) inhibits the action of neutrophil elastase. Individuals who lack AAT or produced misfolded inactive AAT are at risk from progressive lung damage and early onset emphysema.

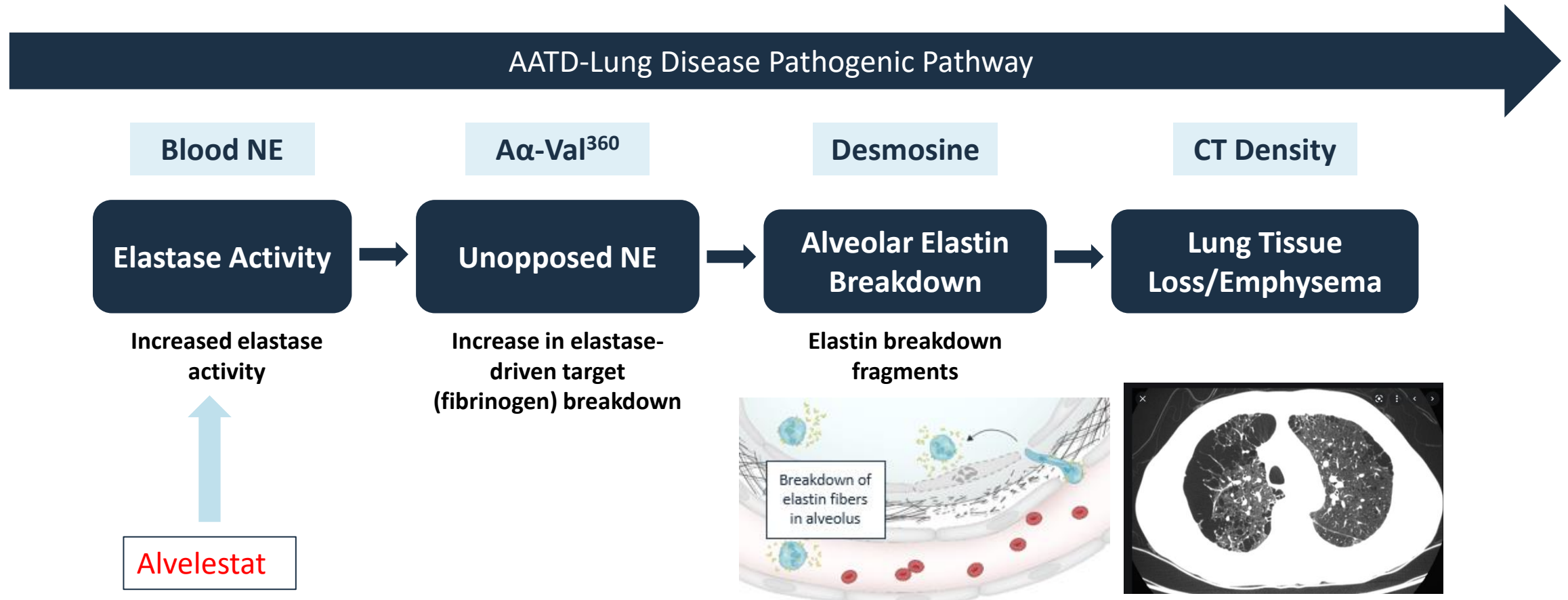
AATD-LD

- Presents age 20 to 50, symptoms include, shortness of breath, cough, reduced exercise tolerance
- Target population estimates - 50,000 in North America and 60,000 in Europe and the UK^{1,2,3}
- AATD community groups are well established

Unmet Need

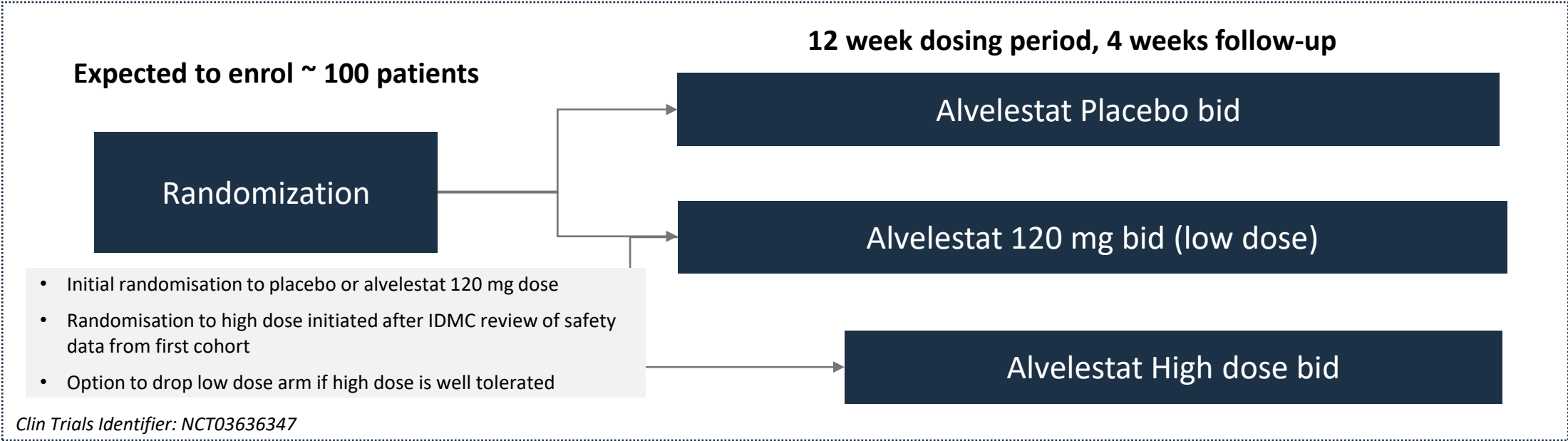
- Current treatment options limited to intravenous plasma-derived augmentation therapy with limitations:
 - Clinical efficacy not uniformly recognized by physicians or payors
 - Inability to 'titrate' up for acute lung inflammation
 - Higher doses may be needed for clinical efficacy
 - IV administration places a burden on patients

Linking Biomarkers to Pathological Pathway



Study Design: ASTRAEUS, A 12-week PoC Study In Participants With AATD-LD

A 12-week Study Treating Participants Who Have alpha1-antitrypsin-related COPD with alvelestat or Placebo.



Primary Endpoint	% change in plasma desmosine/isodesmosine
-------------------------	--

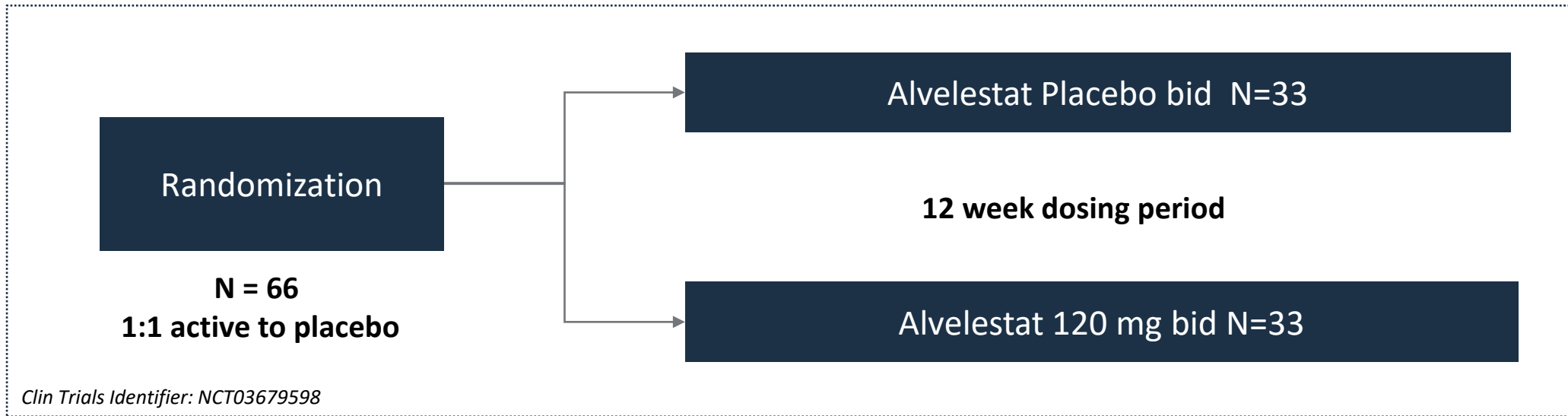
Secondary Endpoints	<ul style="list-style-type: none">• Blood biomarkers of neutrophil elastase activity (Blood elastase and Aα-Val³⁶⁰),• Biomarkers of inflammation and lung damage• Safety and tolerability• Spirometry & St. George's Respiratory Questionnaire• Frequency of acute exacerbations
----------------------------	---

ATALANTa A 12 Week Investigator Led Study Of Alvelestat In AATD-LD

Mark Dransfield, University of Alabama at Birmingham

- ATALANTa includes patients **who are currently on augmentation therapy**

Alvelestat for the Treatment of ALpha-1 ANTitrypsin Deficiency “ATALANTa”



Primary Endpoint

- **Within-individual % change in plasma desmosine/isodesmosine (week 12)**
- **Treatment emergent adverse events (week 16)**

UAB
THE UNIVERSITY OF
ALABAMA AT BIRMINGHAM

NIH National Center
for Advancing
Translational Sciences

Funded by NCATS

Signal Seeking Studies For Indication Expansion

* Graft vs. host disease - Bronchiolitis Obliterans Syndrome

	COVID-19	GVHD BOS*
Rationale	<ul style="list-style-type: none"> Neutrophil extracellular traps (NETosis) is a pathogenic mechanism in COVID-19 infection highly dependent on neutrophil elastase (NE) 	<ul style="list-style-type: none"> NE is a pro-inflammatory and pro-fibrotic driver of lung disease in BOS and BOS is significant cause of morbidity and mortality in GVHD and post lung transplant
Study Summary	<ul style="list-style-type: none"> Phase 1b/2 study in patients with COVID-19 respiratory disease Enrolled 15 patients – randomised (1:1) to alvelestat or placebo BID for 5 days, with optional extension to 10 days 	<ul style="list-style-type: none"> Phase 1b/2 open label study in 34 patients with moderate to severe BOS following hematopoietic stem cell-transplant. Alvelestat intra-subject dose escalation to 240mg
Key Endpoints	<ul style="list-style-type: none"> Primary: Safety and tolerability to day 60 and mortality at day 90 Secondary: Biomarkers of NETosis and inflammation 	<ul style="list-style-type: none"> Primary: Optimal biological dose and clinical efficacy (Ph2) and safety Other key endpoints: Desmosine, NE activity, lung inflammatory markers. Spirometry, PK, tox assessment & chronic GVHD scoring
Results to-date	<ul style="list-style-type: none"> Alvelestat reported safe and well-tolerated in patients with COVID-19 Alvelestat, on top of standard of care resulted in a more rapid time to improvement in WHO Disease Severity score of ≥ 2 in the first 5-7 days compared to placebo plus standard of care 	<ul style="list-style-type: none"> Phase 1b interim data - progressive reduction of plasma desmosine over 8 weeks in 6 of 7 treated patients, all of whom had improved or stable lung disease (FEV₁) and reduction in stimulated neutrophil elastase activity. Suppressive effect on biomarkers of elastase activity and collagen synthesis
Collaborator	<ul style="list-style-type: none"> Led by Dr. James M. Wells, University of Alabama at Birmingham 	<ul style="list-style-type: none"> Study is under investigator IND, led by Dr. Pavletic (National Cancer Institute)

Alvelestat Key Differentiating Features

Profile for long term treatment of AATD lung disease and NETosis-driven diseases

Oral, twice
daily dosing

High neutrophil
elastase inhibition
> 90% at doses in
development

Combination of
twice daily dosing
and high neutrophil
elastase inhibition
allows for 24/7
enzyme coverage

Highly specific
neutrophil elastase
inhibition –
reduces potential
for side effects

Rapid onset of
action < 4 hours
to > 90% enzyme
inhibition



Setrusumab

(BPS-804 / UX143)



Osteogenesis Imperfecta (OI): A Rare Genetic Bone Disease

What is OI?

- A rare genetic bone disease, linked to a mutation in Type I collagen.^{1,2}
- Symptoms include frequent bone fractures, skeletal deformities, pain, respiratory and gastric problems – early diagnosis & no FDA or EMA approved therapies
- Affects approximately 60,000 individuals (pediatrics and adults)
- Community groups well established - umbrella organizations OIFE & OIF* support national groups

Setrusumab

- Antibody targeting sclerostin – anabolic which also reduces resorption of bone
- Significant unmet need in both adult and pediatric populations.
- OI is a progressive condition. Care pathways less clear in adults
- Partnered with Ultragenyx leading the clinical development

The twins 'made of glass': 17-month-old sisters defy the odds after doctors gave them a 'zero per cent chance of survival' because of a rare disease that caused them to endure fractures in the WOMB

By ALEXANDRA THOMPSON SENIOR HEALTH REPORTER FOR MAILONLINE
PUBLISHED: 12:11, 9 September 2019 | UPDATED: 15:09, 9 September 2019



Girl, two, has brittle bone disease that makes her limbs so delicate she was BORN with a broken arm

By ALEXANDRA THOMPSON SENIOR HEALTH REPORTER FOR MAILONLINE
PUBLISHED: 10:20, 9 September 2019 | UPDATED: 11:44, 9 September 2019



Summary of Phase 2b Results from ASTERIOD

Study Overview

Phase 2b study (n=90) blinded with 3 dose arms, monthly dosing for 12 months
Enrolled adult OI types I, III, and IV (~90% of the prevalent population)

Efficacy Results

Clear, dose-dependent, statistically significant bone building effect (DXA scans) at multiple anatomical sites and consistent across all OI subtypes studied*

Statistically significant increases in bone failure load and bone stiffness at the high dose

Lower number of fractures and lower fracture rate observed at the high dose

Safety Findings

Setrusumab was well tolerated and no safety concerns were observed (including no cardiac)

Similar BMD gains in the first and second 6 months of treatment – longer term therapy

***Primary endpoints:** Radial Tb vBMD at 12 months was not significantly changed after setrusumab treatment. However, setrusumab elicited dose-dependent increases in bone strength indices and total vBMD at the radius, with stiffness and cortical vBMD also increased at the tibia (all significant at 20 mg/kg). Significant increases in DXA aBMD were observed at lumbar spine and total hip (all doses), as well as at the femoral neck (20 mg/kg).

Ultragenyx – Mereo Partnership and Long Term Plan


Mereo – Ultragenyx partnership	Clinical Development	Commercialization in Mereo Territories
<ul style="list-style-type: none">• Ultragenyx funding global development plan in pediatrics and adults• Mereo retains rights to commercialization in EU/EEA and UK – Ultragenyx US and ROW• Received \$50M u/f with up to \$254M for clinical, regulatory and commercial milestones• Ultragenyx pays Mereo tiered double digit % royalties on net sales• Mereo pays Ultragenyx fixed double digit % royalty on net sales	<ul style="list-style-type: none">• Led by Ultragenyx & supported by Mereo• Phase 2/3 pediatric study in OI in patients 5-25 yrs old<ul style="list-style-type: none">• Phase 2 to determine optimal dose based on collagen production (P1NP)• Phase 3 – fractures over 15-24 months• Initiation by end-of 2021• Phase 2 pediatric study in OI in young children < 5 yrs old• Registrational pathway for adults with OI under discussion <p><i>Clin Trials Identifier: NCT05125809</i></p>	<ul style="list-style-type: none">• Mereo’s current focus is on European and UK commercialization of setrusumab• IMPACT Survey, the largest data set on the impact of OI. Results will support OI advocacy & commercialization efforts



Upcoming Milestones



Upcoming Key Milestones & Opportunities

Upcoming Milestone For Core Programs						
Product Candidate	Indication	2022	2023	2024	Partner	Next Milestone
Etigilimab	Solid tumors	Phase 1b/2 basket study with potential cohort expansion				Phase 1b/2 full enrolment and data Phase 2 cohort expansion
Alvelestat	AATD	Phase 2 PoC				AATD: Phase 2 data readout
	BOS	Phase 2				BOS: Phase 2 data
Setrusumab	Osteogenesis imperfecta	Pediatric Phase 2b/3 fracture study				Initiation of pivotal study pediatric & young adults (5-25yrs old)
		Pediatric Phase 2 children <5 years				Initiation of Phase 2 study pediatric (children <5 yrs old)
Non-core Programs		Navicixizumab has been partnered with OncXerna for further development. Next Milestone: Initiation of pivotal trial by OncXerna Leflutrozoled and acumapimod are currently under partnering discussions. Next Milestone: Partnership agreement				

Financial Highlights

Cash runway into 2024
\$134.2 million (£99.7m) as of
September 2021, including:

- \$50 million upfront in January 2021 from setrusumab licensing deal
- \$115 million from follow-on financing in February 2021

Cap Table (September 30, 2021)	ADSs ¹ (in thousands)
Shareholders > 5% holding	47,489
Shareholders < 5% holding	63,613
Share capital - Issued and outstanding	111,102
Potential Future Dilution:	
Warrants ²	11,961
Convertible loan notes ³	22,630
Employee share schemes ⁴	4,193

¹ One ADS represents five ordinary shares

² Assumes a market price of \$4.00 per ADS and cashless exercise. The maximum number of warrants outstanding is 29.8m.

³ Excludes 2.9m ADSs payable either in ADSs or cash at election of the note holder

⁴ Excludes 1.9m ADSs for employee share awards with an exercise price in excess \$8.00

Investment Highlights

Developing therapeutics for oncology and rare diseases based on novel targets with strong biological rationale

- Etigilimab – an anti-TIGIT antibody with early promising data in an ongoing Phase 1b/2 basket study
- Alvelestat – an oral neutrophil elastase inhibitor in Phase 1b/2 studies for AATD and BOS with a COVID study completed
- Setrusumab – an anti-sclerostin antibody that has completed a Phase 2b in adults with OI and expected to enter a pivotal study in pediatrics with our partner Ultragenyx

Programs for partnering income

- Navicixizumab partnered with OncXerna (\$300M + royalties)
- Leflutroazole for infertility
- Acumapimod for AECOPD

Multiple near-term clinical and pipeline milestones

Highly experienced management team with significant expertise in rare diseases and oncology

Cash runway into 2024



Mereo BioPharma Group plc

One Cavendish Place
London, W1G 0QF
UK

+44 (0)333 0237 300



Our Core Programs – A Diversified Mid-Late Stage Pipeline

Etigilimab

- An IgG1 anti-TIGIT antibody
- Phase 1b/2 ACTIVATE basket trial combination of etigilimab with nivolumab in multiple solid tumors
- Early clinical benefit observed in gyn/onc tumors with good safety profile
- Integral biomarker strategy

Alvelestat

- Oral neutrophil elastase inhibitor with clinical activity in multiple respiratory pathologies
- Phase 2 trials ongoing in Alpha-1 antitrypsin deficiency (AATD) with orphan drug designation
- Ongoing Phase 1b/2 investigator lead studies in GvHD Bronchiolitis Obliterans and COVID for NETosis (neutrophil extracellular traps)

Setrusumab

- Anti-sclerostin antibody which significantly increases bone mineral density in adults with osteogenesis imperfecta (ASTEROID study)
- Partnered with Ultragenyx with Mereo retaining commercial rights in the UK/EU/EEA (\$50M u/f, \$254M milestones, royalties)
- Entering Phase 2/3 pivotal registrational trial in pediatrics
- Orphan Drug Designation in EU and US, PRIME and Adaptive pathways in EU, Rare Pediatric Disease Designation in US

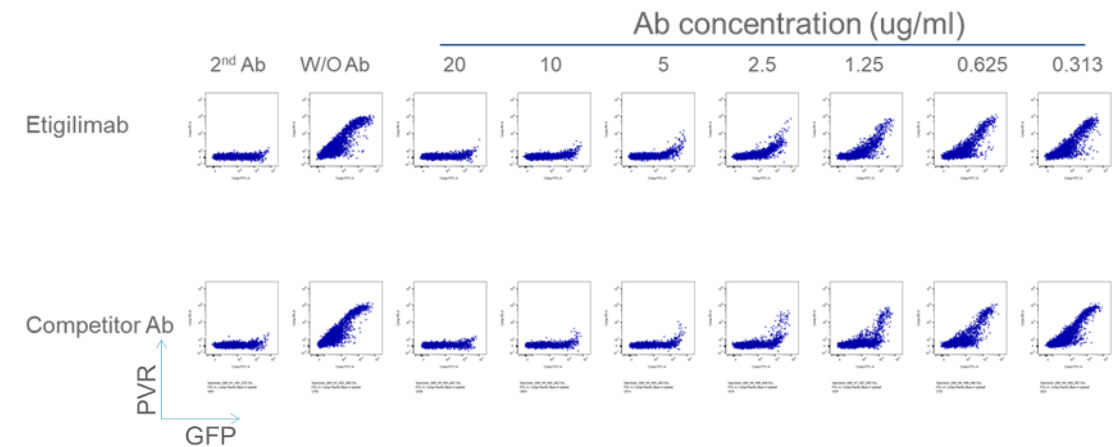
Etigilimab - designed to balance interaction with different cell populations

Etigilimab Depletes High Expressing T-reg Cells But Spares Effector T- And NK Cells

- Activation of NK and T-cell subpopulations
- Reduction of T-regulatory cells
- Increased CD8/Treg ratio

Etigilimab has demonstrated dose dependent target engagement in patients

Pre-clinical Model Showing PVR Binding



- Human TIGIT ECD fused to CD4TM-GFP was transiently expressed in 293T cells and incubated with indicated amount of anti-TIGIT antibody followed by addition of human PVR-rabbit Fc fusion protein.
- Anti-TIGIT antibody dose-dependent suppression reflects specific blockade of PVR binding to TIGIT.

ACTIVATE Phase 1b/2 Early Data Summary and Conclusions

Efficacy	Safety	Biomarker Data
<ul style="list-style-type: none">Preliminary signs of efficacy noted with 1CR, 1PR and 4 SDs out of 15 patients with a minimum of one scanPotential early signal in gynonc cohorts<ul style="list-style-type: none">Heavily pre-treated/post-platinum ovarian cancer PD-L1 negative (PR)<ul style="list-style-type: none">PR also noted in an ovarian cancer patient in the FIH Phase 1b combination cohortPost SOC, CPI-naïve cervical cancer (cCR)The ovarian cohort has cleared futility for expansion to Stage 2 per Simon Stage design (pending IDMC review)All other cohorts of the study are continuing to enrol toward completion of Stage 1	<ul style="list-style-type: none">The combination of Etigilimab + nivolumab is safe and well tolerated; no new safety signals seen to date<ul style="list-style-type: none">The most common treatment related adverse events were skin reactions, observed in seven patients, non of which required steroidsThere was one case of immune diabetes mellitus	<ul style="list-style-type: none">Correlation of clinical benefit rates with PVR and TIGIT expression in tumor types that have typically very poor responses to anti- PD-1/PDL-1<ul style="list-style-type: none">Includes in PD-1 negative tumor samplesCLIA validated assays allows for potential patient selection on the basis of PVR and TIGIT expression going forwardTarget engagement biomarker analysis including Treg, T cell subsets, Ki67 and other markers on-going

Continued evaluation of the combination of etigilimab with an anti-PD-1 antibody is supported by these early data