

AIM: "VRP", Xetra: "I9S"

Interim Results Presentation 2015

Strategic Focus, Clinical Progress and Financial Discipline

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Today's agenda

Verona Pharma:

- Introduction Jan-Anders Karlsson, CEO
- 2015 Interim Financials Biresh Roy, CFO
- 1H 2015 operational highlights & progress in clinical trials

 Jan-Anders Karlsson, CEO
- Q&A

First-in-Class Drugs to Treat Unmet Needs in Respiratory Diseases

Operational highlights:

- Successfully completed dosing of healthy volunteers in Single and Multiple Ascending
 Dose studies with new nebulized formulation of RPL554
 - Excellent tolerability at all doses up to 16x those previously shown to produce bronchodilation
 - Results support twice daily dosing regimen
- Commenced a MAD study of RPL554 in up to 30 COPD patients.
 - Results expected early Q4 2015
- Initiated a phase 2a dose-finding trial in asthma patients

Management:

CMO Dr Ken Newman appointed Jan 2015

Corporate Developments:

The Company undertook a secondary listing of its shares at Xetra Exchange in Frankfurt

Post Period Highlights

Dr Ken Cunningham and Dr Anders Ullman appointed NEDs, effective 10 September 2015

Financial Highlights – 6 months ended 30 June 2015

- 2015 Loss after tax: £3.69m (2014: £1.39m) or 0.37p (2014: 0.19p) per share
- Net cash outflows from operating activities: £3.92m (2014: £1.47m)
- Cash and cash equivalents at 30 June 2015: £6.09m (2014: £12.10m)

Income statement

	6 months to 30 June 2015 £'000	6 months to 30 June 2014 £'000	FY 2014 £'000
Revenue	-	-	-
R&D expenses	(3,477)	(866)	(2,635)
Admin expenses	(982)	(525)	(1,158)
Operating loss	(4,459)	(1,391)	(3,793)
Finance revenue	27	3	30
Loss before tax	(4,432)	(1,388)	(3,763)
Tax credit	743	-	1,004
Loss for the year	(3,689)	(1,388)	(2,759)

Use of funds in the 6 months to 30 June 2015

R&D expense: £3.48m (2014: £0.87m)

RPL554

 Clinical trials £3.37m (2014: 0.57m) for progressing SAD/MAD and Asthma studies and advancing preparations for a commercially scalable formulation

VRP700

Patent cost £0.11m (2014: 0.3m)

Administrative expense: £0.98m (2014: 0.53m)

Professional fees, share based payment and other administrative items

R&D tax credits of £0.74m (2014: £Nil)

£6.09m in cash and cash equivalents at bank at 30 June 2015

Management and Board with deep development and commercialisation expertise



New Chairman of the Board:

Dr. David

Ebsworth

Non-Executive

Chairman

Formerly CEO of Galenica AG, Oxford GlycoSciences and Bayer Pharmaceuticals, and served on a number of Boards within the pharma, biotech and venture capital sectors, in EU, US and Japan.



Dr. Jan-Anders Karlsson *Chief Executive Officer*

Former CEO of S*BIO Pte Ltd, Singapore. Previously R&D roles in pharmaceutical industry, incl. EVP Global Research, Bayer Pharma.



Biresh Roy Chief Financial Officer

Formerly Enigma diagnostics, Xytis, Morphochem, Santhera and AT Kearney.



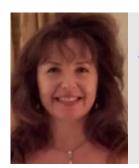
Dr. Ken Newman *Chief Medical Officer*

Formerly with Mesoblast, Acton Pharma, Boehringer Ingelheim and Forest Labs (now Allergan).



Dr. Peter Spargo *SVP Chemistry, Manufacturing and Controls*

Formerly with Pfizer, Novexel and Creabilis.



Dr. Kathy Abbott-Banner *Director of Project Management*

Formerly with GSK, Pfizer and Novartis.

Management and Board with deep development and commercialisation expertise



Dr. Anders UllmanNon-Executive Director

Formerly Head of R&D at Biovitrum, Nycomed and Baxter Biosciences. He has also served in a number of roles at AstraZeneca and EVP Global Product Development at Bayer.



Dr. Ken Cunningham *Non-Executive Director*

Formerly Non-Executive Chairman of Abzena, Xention and Prosonix. He also served as COO and later CEO of SkyePharma.



Dr. Pat Humphrey *Non-Executive Director*

Formerly with Allen & Hanburys, Glaxo and Theravence, San Francisco.

RPL554 – lead compound for COPD, CF and potentially additional indications



- A unique mechanism of action: dual inhibition of PDE3 and PDE4 enzymes
 - Inhibiting both PDE enzymes leads to synergistic increase in activity in many cell types
- Original proof-of-concept formulation in clinical trials with 105 subjects
 - demonstrated bronchodilator and anti-inflammatory properties
- Novel proprietary formulation in Ph1/2a clinical trials with up to 140 subjects
- Favourable properties for API/drug product manufacture and stability
 - Developed for use in nebulizer
 - DPI and pMDI formulations also feasible
- Strong patent position
 - No other PDE3/PDE4 inhibitor in clinical development, to the best or our knowledge

Unique "three-in-one" mechanism of action

Pharmacological Effects of PDE3 and PDE4 Inhibition





(PDE3A,3B,4D)

Relaxation



Bronchodilation

Inflammatory cells



Eosinophils PDE4A,B,D



Neutrophils PDE4A,B,D



Macrophages PDE3,4A,B,D



Lymphocytes PDE3,4A,B,D



Fibroblasts PDE4



Anti-inflammatory effects

Epithelial Cells



Epithelial cells PDE3,4A,C,D

CFTR Activation



Increased Mucociliary Clearance

First-in-class approaches, addressing high unmet needs in the respiratory market

Project	Indication	Pre-clinical	Phase 1	Phase 2	Phase 3	Market
RPL554 Dual PDE3/PDE4 inhibitor With both bronchodilator and anti- inflammatory activity	COPD exacerbations					Hospital / specialist care
	Maintenance therapy of COPD					Chronic, maintenance treatment
	Acute asthma					Hospital / specialist care
	Cystic fibrosis					Hospital / specialist care
	COPD / CF "Dry powder formulations"					Chronic, maintenance treatment

COPD: A growing market with a high unmet medical need

Worldwide, 65 million people suffer from moderate to severe COPD: WHO expects COPD to be the 3rd leading cause of death globally by 2020, after heart disease and stroke

Only major chronic disease with increasing mortality



Current drugs aimed at longterm maintenance therapy: 'mass market' dominated by "Big Pharma" (GSK, AZN, BI, NOV) Despite widely available therapies, acute periods of worsening symptoms (exacerbations) cause*:

- 1.5 million A&E visits
- 726,000 hospitalisations
- 120,000 deaths

→ Urgent need for new and more effective treatment of exacerbations

* US only

In-hospital treatment – high value market segment outside Big Pharma focus

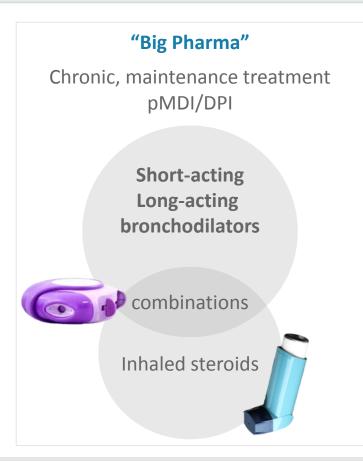
Bronchodilators

Beta2 agonists

Anti-muscarinics

Anti-inflammatory

Glucocorticoids



Verona Pharma

In-hospital treatment of exacerbations

Nebulizer

nebulized bronchodilators

RPL554

Intravenous/prednisone steroids

- Bronchodilating therapy is the standard of care
- The nebulized bronchodilator market in the US was worth about \$1billion in 2014
- Near-term opportunity for RPL554

Source: IMS Consulting Group

RPL554: compelling positioning as in-hospital treatment of COPD

14% of people admitted with an exacerbation of COPD die within 90 days; 25% within 1 year

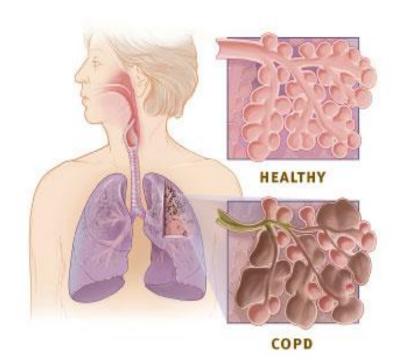
RPL554 as add-on therapy to "Standard of Care":

Rapid and pronounced improvement in lung function

Reduced symptoms

Shorter time in hospital

Reduced re-admission rates 30 days after discharge from hospital



RPL554 – dual PDE3/PDE4 inhibitor with Phase 2 data in original proof-of concept formulation

- Studied in 105 subjects to date in 5 clinical trials
 - Well tolerated in healthy subjects, COPD patients and asthmatics

Shown to have:

- Bronchodilating effects
 - Similar in effect onset and size to that of salbutamol but with new mode of action
- Bronchoprotective effect
 - Reduce hyper-responsiveness in allergic asthma
- Anti-inflammatory effects
 - Decreased inflammatory cells in both COPD and allergic rhinitis challenge models

Good safety and tolerability in clinical trials

- No Serious Adverse Events reported
- RPL554 was well tolerated in healthy volunteers, asthmatics and mild to moderate COPD patients
- No clinically significant Adverse Events (including gastrointestinal) observed in subjects dosed with RPL554 to date
- Adverse Events were mostly mild and occurred with similar frequency to placebo
- No adverse events usually associated with PDE4 inhibitors

New commercially scalable nebulizer formulation of RPL554

Phase 1 / 2a SAD/MAD study in healthy volunteers and COPD patients:

- Part A: Single ascending dose study in 50 healthy volunteers
- Part B: Multiple ascending dose study in 30 healthy volunteers
- Part C: Multiple ascending dose study in 30 COPD patients

Interim Results:

- Reached a dose that was 16 times greater than the previously used bronchodilator dose
- No MTD reached
- Well tolerated at all doses
- No SAEs or AEs of concern
- Pharmacokinetics support twice daily dosing with this new formulation of RPL554
 - Longer pulmonary residence time than with original formulation
- Interim results demonstrate excellent drug tolerability with high commercial potential

Development plan for use in COPD patients

In-hospital sub-acute use and maintenance treatment

New commercial nebulizer formulation of RPL554

Phase 1 / 2a on-going

Establish bronchodilator dose and therapeutic window of RPL554

Confirm efficacy and safety of dosing RPL554 together with Standard of Care bronchodilators

Determine dose ranging in single dose studies

Phase 2b to start 2016

Dose ranging to confirm improved lung function and reduced symptoms over 4 weeks treatment

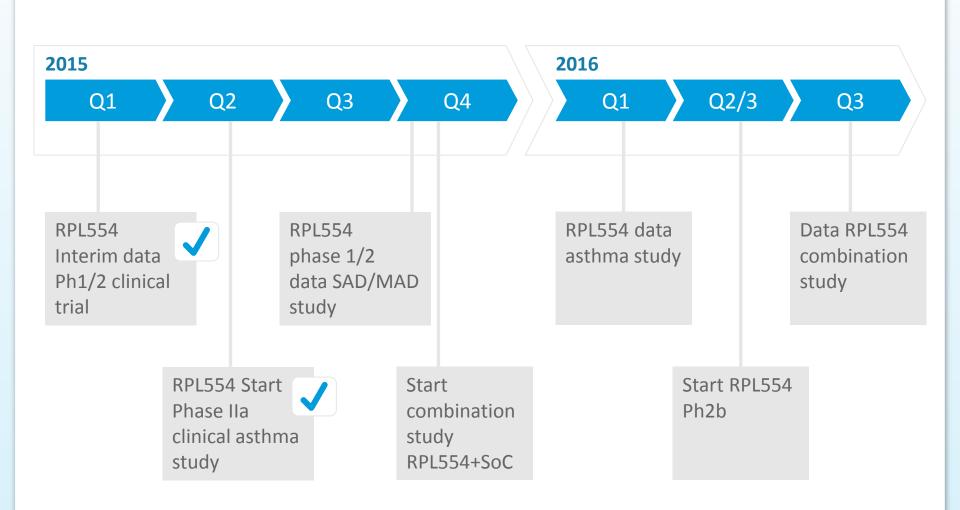
In-hospital study to demonstrate shorter time in hospital, and reduced 30 day re-admission rate

Phase 3

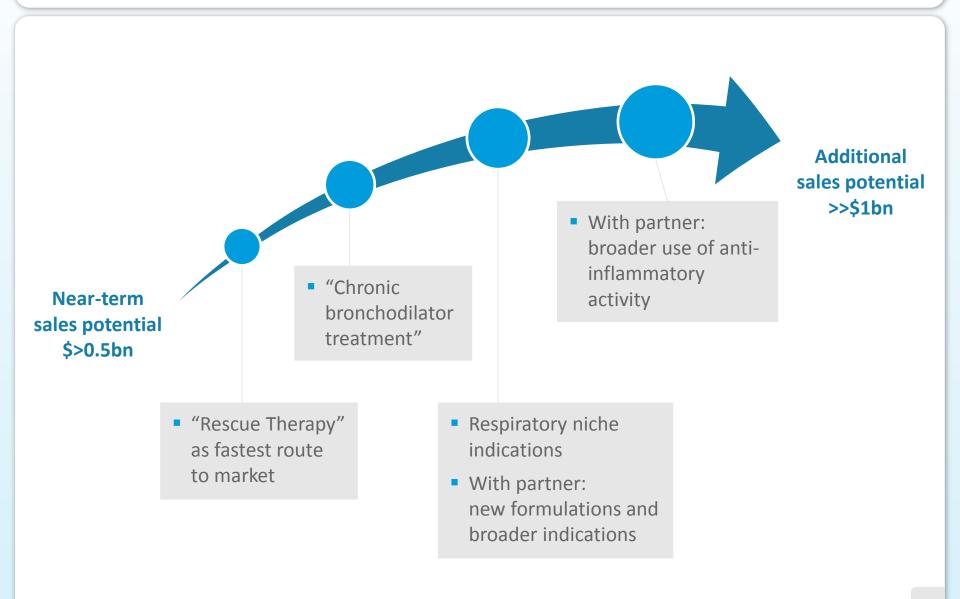
With partner or VRP alone

Shorter development time and manageable costs – well established regulatory endpoints

Anticipated milestones and newsflow



Strong commercial potential for RPL554



Verona Pharma – building a specialist respiratory company

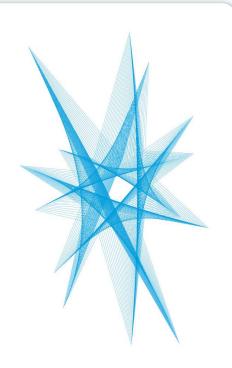
Respiratory indications with large unmet medical need

First-in-class dual PDE3/PDE4 inhibitor

 No novel bronchodilator and anti-inflammatory compound in clinical development, to the best of our knowledge

Multiple attractive opportunities

- Treatment of COPD exacerbations
- Acute asthma
- Cystic fibrosis
- Partnering DPI / nebulizer development for COPD maintenance treatment
- RPL554 combination products feasible for COPD treatment
- Highly experienced management team and Board



Contact

Thank you!

For further information please contact:

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Share Data

Traded on:

AIM (VRP) & Xetra (19S)

Average daily traded volume:

3.1 million per day

over last 30 days

Shares outstanding:

1,009.92 million

Market Cap:

Market Cap on 7 September 2015: £50.1m

Shareholder structure 7 September 2015

Fidelity Investments, **7.2%**

Vivo Capital, **8.1%**Investec Wealth
and Investment Ltd, **10.6%**

Others, **35.3%**

Wales Life Sciences

AVIVA, **18.0%**

Fund, **20.8%**

Others: Retail, Private Client & Other Institutions

Analysts:

Dr Jens Lindqvist, N+1 Singer: Tel: +44 20 7496 3074; Email: Jens.Lindqvist@N1Singer.com

Mark Brewer, Hardman & Co: Tel: +44 20 7148 1434; Email mb@hardmanandco.com

Note: Publicly available information

Strong potential for growth in large global markets

Respiratory Markets

COPD

COPD global market of \$12.2 billion in 2013 and expected to increase 5% per year over the next 5 years*

Asthma

Asthma had a global market of \$15.1 billion in 2013 and is expected to grow to \$16.1 billion in 2023**

Cystic fibrosis

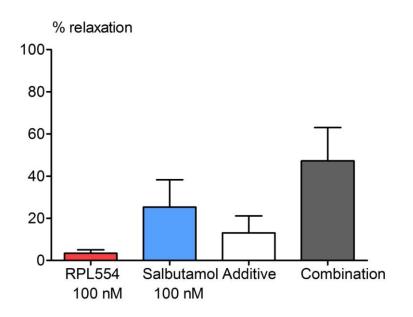
Cystic fibrosis global market is projected to grow from \$0.7billion to \$4.5 billion***

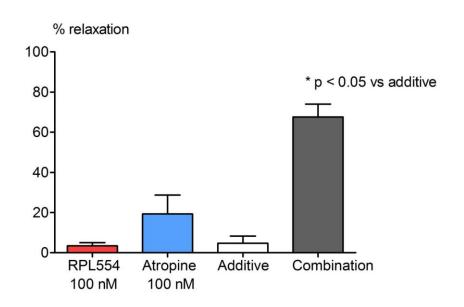
^{*} Novartis presentation, 17-18 June, 2014

^{**} Decision resources 2014

^{***} GBI research 2014

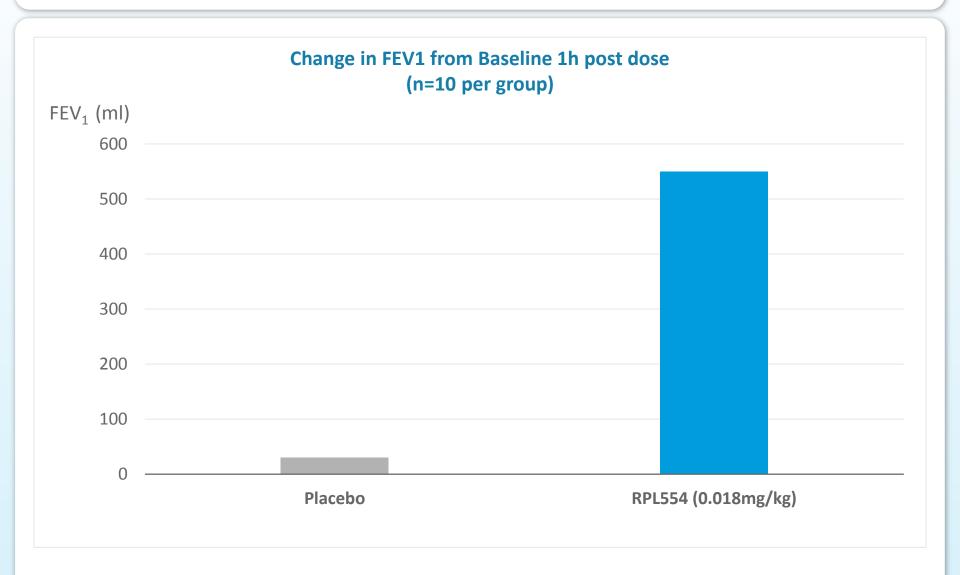
RPL554 acts synergistically with anti-muscarinic agents and is additive with β_2 agonists to relax human airways in vitro



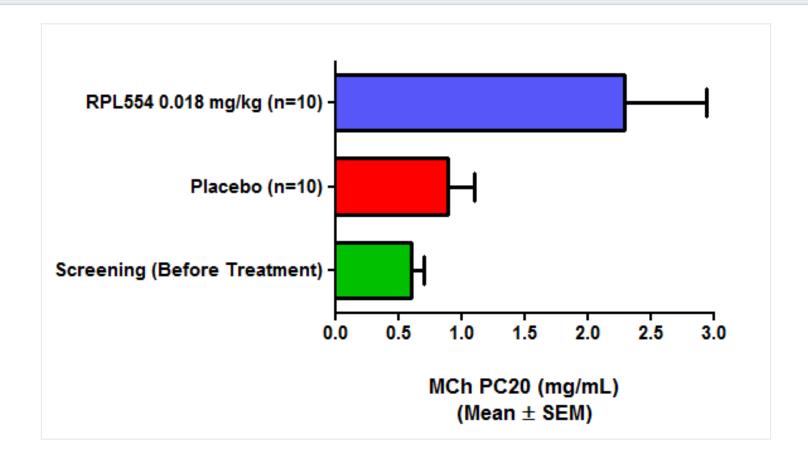


Calzetta et al, JPET 346: 414-423 2013

RPL554 – large bronchodilator response in mild allergic asthmatics

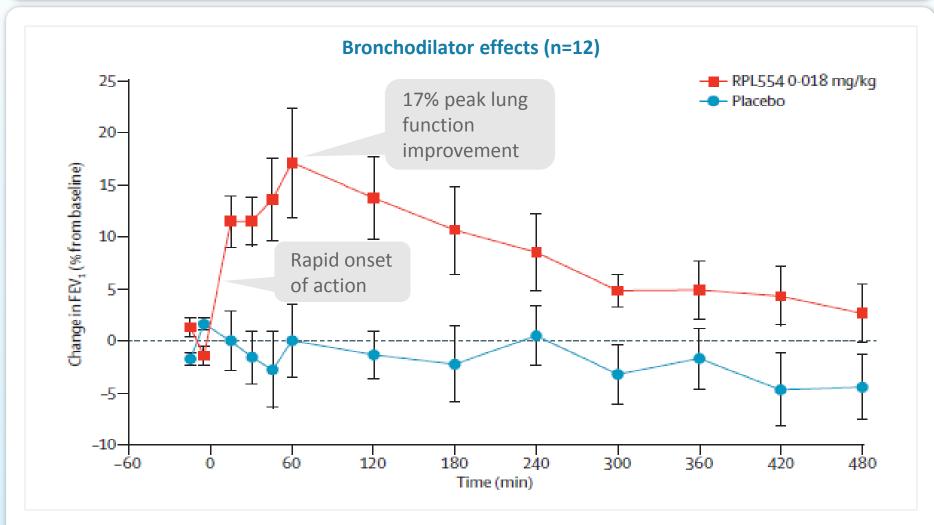


RPL554 – bronchoprotective effect in mild asthmatics



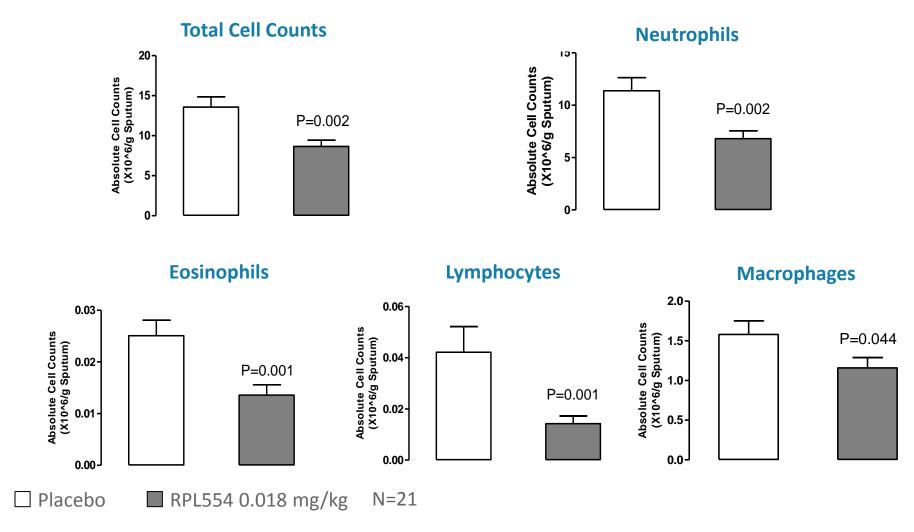
RPL554 increase in PC20 MCh almost 2 doubling dilutions (p <0.004 vs placebo)

Rapid and pronounced bronchodilation in COPD patients



→ First new class of bronchodilator drug for decades

Pronounced anti-inflammatory activity in clinical trial, reduction of inflammatory cells in LPS-induced sputum



→ Effect after 1 week's daily dosing of RPL554 in human subjects