pharmaxis

Therapeutic products

for

respiratory and

autoimmune diseases

Annual General Meeting November 2005

Highlights



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Bronchitol



Aridol



Autoimmune disease



Bronchitol: Entering Phase III

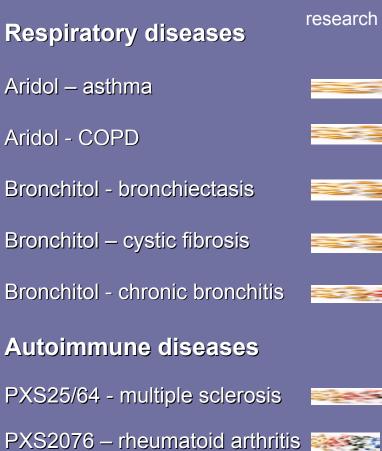
- Successful Phase II trial in cystic fibrosis
- Successful Phase II trial in bronchiectasis
- Orphan drug designation Europe and USA
- Aridol: Management of airway inflammation
 - European Phase III completed (asthma)
 - US Phase III to start late 2005 (asthma)
 - Market authorization filed in EU, Australia (target 2006 launch)
 - COPD clinical study commenced
- Retained marketing rights for all programs
- Experienced management
- Extensive patent portfolio
- Near term value enhancing milestones

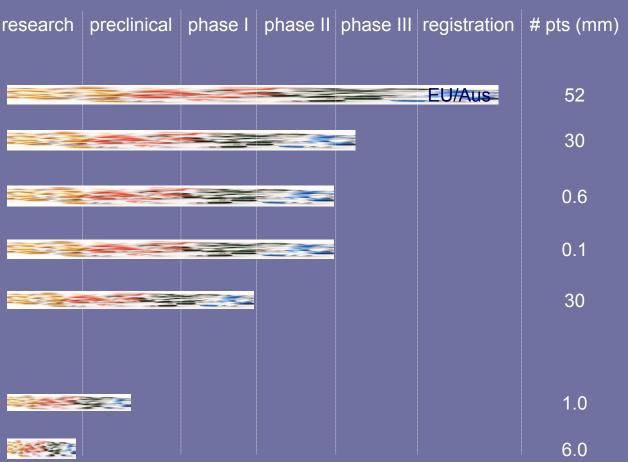


Pipeline



Pulmonary and Autoimmune Focus





-----Clinical Trials------

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<u>Management</u>



CEO

CFO

Commercial



Alan Robertson PhD Wellcome (GSK); Faulding; Amrad; Inventor of Zomig



 David McGarvey CA CFO, Memtec (NYSE); CFO, US Filter Filtration Group







 Gary Phillips, MBA CEO, Novartis Australia



John Crapper, MBA Managing Director, Memcor; Syntex (Roche)



 William Cowden, PhD ANU; Co-inventor of TNF mAb's



Ian McDonald, PhD
VP Discovery, SIBIA (Merck); VP Discovery, SGX

СТО

COO

CSO





cystic fibrosis



Background

- Genetic disorder affecting 30,000 in U.S.
- Poorly hydrated, tenacious, thick mucus
- Current life expectancy is 31 years



- Current treatments: rhDNase and tobramycin
 - Delivered by nebulizer (preparation, sterilization)
 - rhDNase (pulmozyme): \$265mm @ ~30% penetration





Bronchitol Phase II CF trial





- Crossover, 8 site study in 39 CF patients
- Randomised two week treatment periods
- Double-blind, placebo controlled



- Primary Endpoint:
 - Change in FEV₁
- Secondary Endpoints:
 - Effect on other lung function measures
 - Effect on symptoms/signs
 - Effect on QoL
 - Safety (including microbiology)









CF Phase II Results: Change in Lung Function

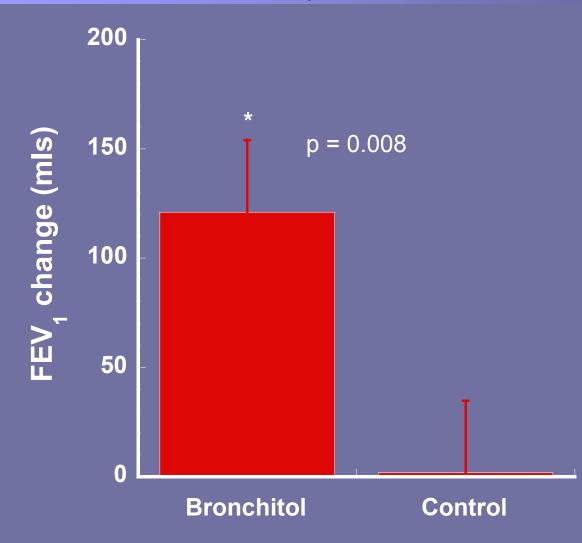
	Bronchitol*	Control*	p value
Change in FEV ₁	7 ± 2%	0 ± 2%	0.008
Change in FEF ₂₅₋₇₅	15.5 ± 5%	0.6 ± 5%	< 0.01

*includes patients being treated with pulmozyme

(FEF₂₅₋₇₅ or MMEF is considered a measure of small airway function)



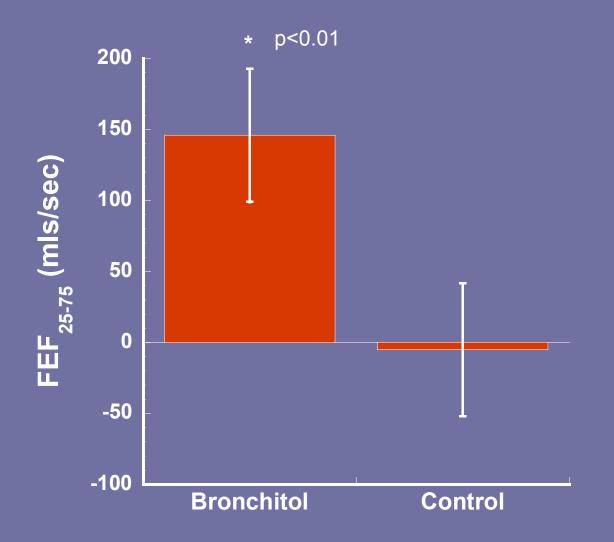
CF Phase II Results: FEV₁ Change







CF Phase II Results: FEF₂₅₋₇₅ Change







cystic fibrosis registration strategy



• Phase III trial (EU & Aus):

- Dosing to be finalized based on ongoing dose-ranging study
- Commence 1H2006



- Primary endpoint: Change in FEV₁
- Placebo-controlled, 6 month dosing, finalising design with EMEA



- Phase III trial (US) to commence 2006
 - Similar size, design to EU/Aus trial

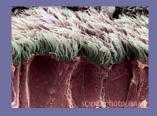
Orphan drug designation – EU and USA





bronchiectasis







Background

- Abnormal, irreversible dilation of the lower airways
- Daily mucus production, constant coughing, breathlessness: major quality of life impact
- Normal lung clearance impaired
- 100,000 affected in the U.S.
- Current treatments: bronchodilators, antibiotics
 - No drugs effective to clear mucus





bronchiectasis

Phase II Trial results

- 60 patient, double-blind, crossover, placebo-controlled
- Promising results in QoL, symptom scores (p<0.05 versus placebo)
- For all patients 4.5 unit improvement in St. George's impact score
- For the 75% of patients with unclear chests 6.9 unit improvement in St George's impact score
- Well tolerated, no adverse events

Phase III Trials

- Plan to commence 4Q05/1Q06 in Australia, EU
- Finalising protocol following FDA meeting
- Initiate US pivotal trial mid-2006

Supplied on compassionate-use basis in Australia



chronic bronchitis





- Chronic cough, breathlessness, tenacious sputum
- >30 million people affected in 7 major pharma markets
- No therapy halts disease progression
- Current treatments aimed at symptom relief / bronchodilation



- Phase II clinical protocol in development
 - Quality of Life
 - Reduction in exacerbation period
- Study to commence 2006









A rapid and simple test for airways inflammation that facilitates diagnosis and management of asthma and COPD patients.





Asthma and COPD Opportunity

Asthma

- 51mm patients in 7 major markets
- No simple test, many not diagnosed
- ~34% of people diagnosed with asthma do not have the disease
- Ongoing patient management difficult

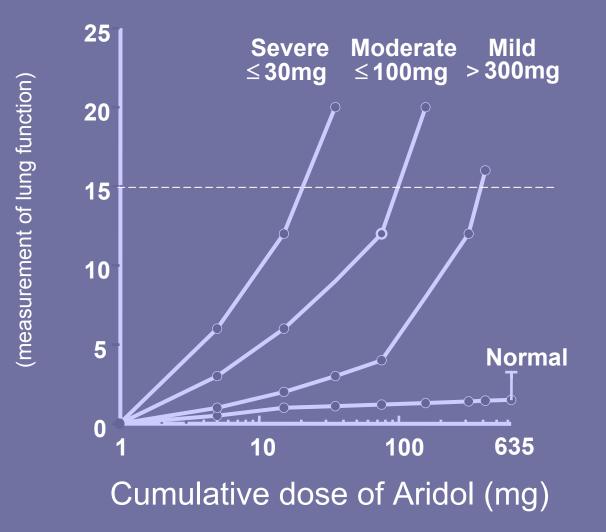
COPD

- 30 million people affected in 7 major pharmaceutical markets
- Cost to US healthcare US\$30 billion pa
- 20-25% respond to inhaled steroids but no test to identify them

% Fall FEV1



quantitation of airway hyperresponsiveness







current status

Phase III results (646 patient study)

- Good agreement with hypertonic saline (p<0.01)
- Effective at identifying clinical mis-diagnosis (7%)
- 20% of subjects over treated and over diagnosed
- 25% of subjects not well controlled

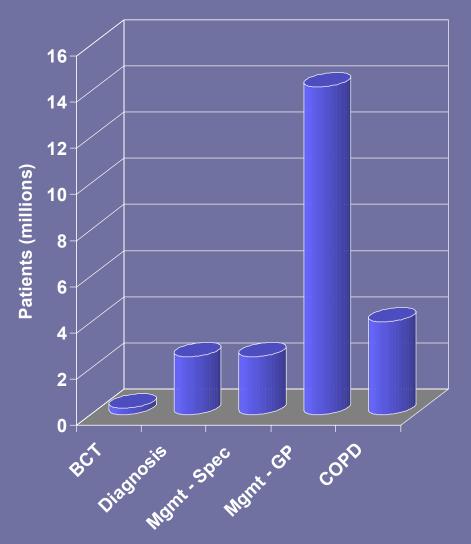
European and Australian marketing authorization submitted

- Potential 2006 launch
- US Phase III trial to commence Q42005
 - Scheduled completion H2 2006





addressable market



- Multiple trials in progress with key US/EU opinion leaders
- Reimbursable under existing codes in US
- Marketing partner for GP audience
- Publication of clinical results for ICH acceptance
- First revenue 2006 (subject to approval)





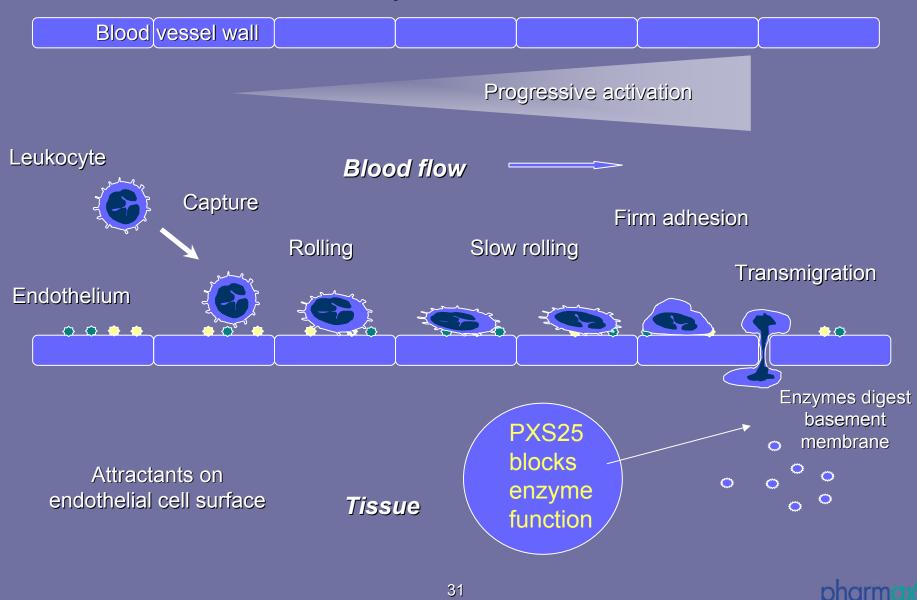
Autoimmune diseases

multiple sclerosis rheumatoid arthritis



Autoimmune Disease

Inflammation: the leukocyte activation cascade



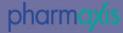
Autoimmune Disease PXS64

- Selective inhibitor of T cell migration
- Novel mechanism
- Effective in animal models of multiple sclerosis
- Oral prodrug of PXS25, both discovered by Pharmaxis
- Current status: preclinical development, start human Phase I clinical trials 1H06





Financial Overview





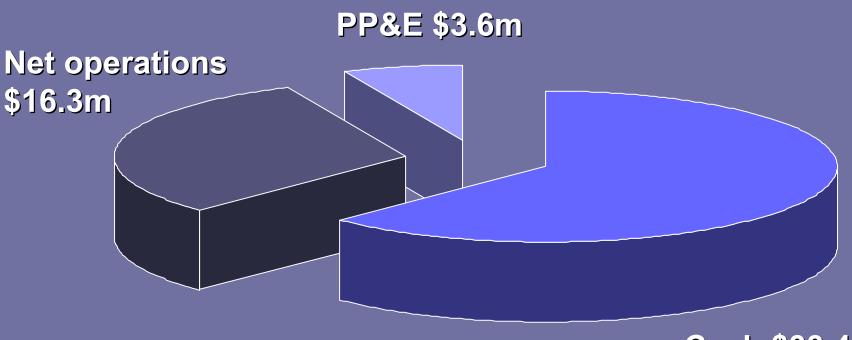
	Year ended 30 June,			
	2005	2004	2003	2002
	\$'000	\$'000	\$'000	\$'000
Financial Performance				
Revenue				
Interest received	1,702	1,075	284	43
Research grants	1,172	1,105	976	646
Other		48	43	
	2,874	2,228	1,303	689
Expenses				
Research & development	(9,154)	(6,047)	(1,790)	(1,151)
Commercial	(847)			
Administration	(3,105)	(2,182)	(981)	(140)
Total expenses	(13,106)	(8,229)	(2,771)	(1,291)
Net loss before and after tax	(10,232)	(6,001)	(1,468)	(602)
Depreciation & amortisation	626	410	256	130
EBITDA	(11,308)	(6,666)	(1,496)	(515)
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Cash Flows				
Cash flows from operating activities	(9,274)	(4,652)	(1,168)	(363)
Cash flows from investing activities	(1,575)	(406)	(1,652)	(36)
Cash flows from financing activities	19,021	22,891	9,453	-
Net increase (decrease) in cash held	8,172	17,833	6,633	(399)
	34			pharm



	30 June,	
	2005	2004
	\$'000	\$'000
Financial Position		
Cash and bank accepted commercial bills	33,389	25,217
Plant & equipment	2,477	1,474
Intangible assets	1,106	1,162
Total assets	37,937	28,261
Total liabilities	2,369	1,481
Total shareholders' equity	35,569	26,780



Total Capital Raised to 30 June 2005 A\$53.3m









pnarm

Global Capital Raising

Global Capital Raising Coordinated bookbuild in Australia and USA One of largest Australian biotech capital raisings - \$86.7 million Common pricing of A\$2.20 -0.5% discount to 30 day VWAP at announcement -10% discount to 5 day VWAP at closing	
Australia (ASX)	Private placement of 19.9 million shares, 60% institutions (>20)
USA (Nasdaq)	Public offering of 19.5 million shares/1.3 million ADS, >90% institutions (~10)
Total	39.4 million shares; 6% +/- US to Australia
Total shares on issue	174,398,092



pharm

Cash of A\$110 million⁽¹⁾ - positioned to:

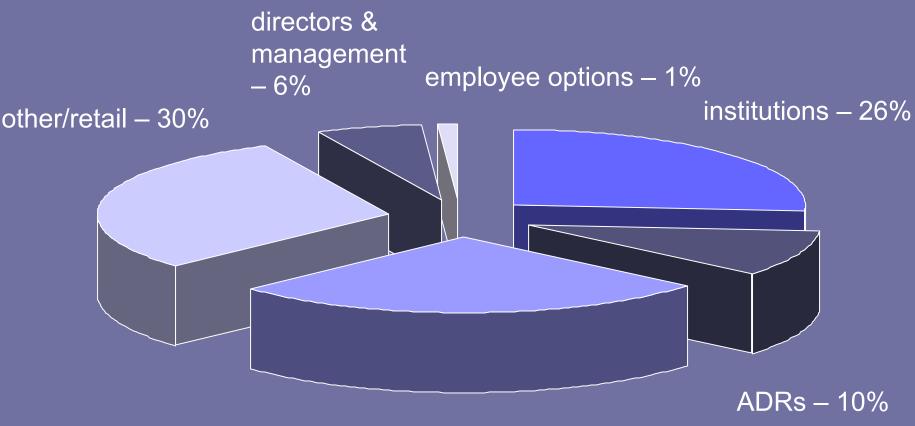
- Complete clinical development of Bronchitol for cystic fibrosis
- Complete clinical development of Bronchitol for bronchiectasis
- Complete US clinical development of Aridol
- International launch of Aridol
- International launch of Bronchitol for cystic fibrosis and bronchiectasis
- Broaden the commercial opportunity for Aridol
- Additional clinical opportunities for Bronchitol eg chronic bronchitis
- Expansion of manufacturing/company facilities
- Further development of preclinical pipeline

(1) Proforma 30 Sept



Share Capital post Capital Raising

(including 11.4 million employee options)



founders and VC's – 27%

Recent Milestones



Aridol

- Completed Phase III Aridol trial in asthma
- Filed for Aridol approval in Australia, EU
- Bronchitol
 - Positive Phase II CF results
 - Positive Phase II bronchiectasis results
 - Orphan Drug designation for CF, bronchiectasis (U.S.)
 - Orphan Drug designation for CF (Europe)
- Discovered PXS64 for MS improved oral form of PXS25
- Tripled manufacturing capacity
- A\$6 million Aus P3 government grant awarded
- Global Capital raising completed \$87 million

Upcoming Milestones



Aridol

- Potential Aridol approval in Australia & EU: 1H06
- Data from Phase II COPD trial: 2H06

Bronchitol

- Initiate bronchiectasis pivotal trial:
- Initiate US bronchiectasis pivotal trials:
- Initiate CF pivotal trials:
- Data from CF dosing study

Pipeline

- US IND for PXS64 for multiple sclerosis: 1H06
- Nominate IND candidate for PXS2076 for RA: 2006

4Q05/1Q06 mid-06 2006 1H06