BioDiem

Therapies for major infectious diseases and related cancers

Wholesale Investor Capital Showcase: Sydney 24 September 2013

Julie Phillips, CEO www. biodiem.com (ASX:BDM)

BioDiem Agenda

- Challenges
- **Company Focus**
- **©** Current Achievements
- Future Investment Opportunity

BioDiem Challenges



Increasing resistance

To antibiotics – major concern healthcare systems worldwide



Hard to treat

Fungal infections, affecting vulnerable patients



No vaccines available

For worldwide diseases eg. hep B, C and D

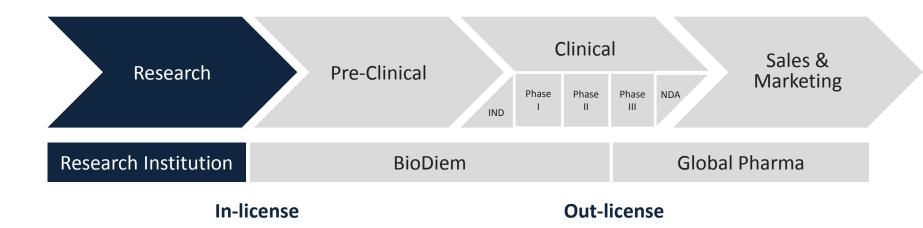


Product pipelines diminish

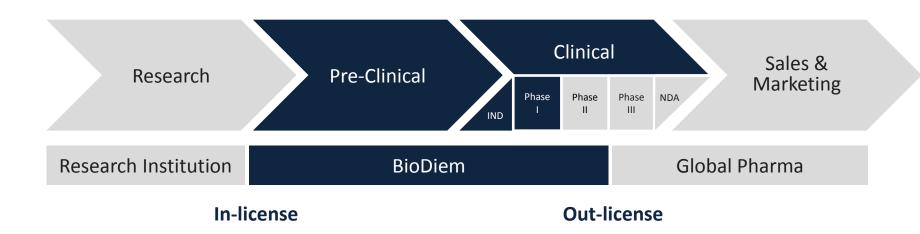
Large Pharma focus on innovation, as product pipelines diminish > acquisition opportunities

BioDiem Company Focus

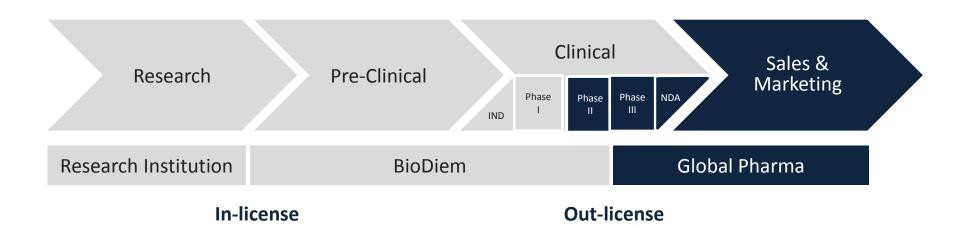
BioDiem Business Model

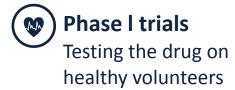


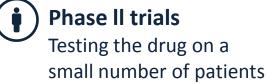
BioDiem Business Model



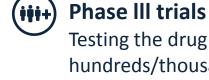
BioDiem Business Model







with the disease



Testing the drug on hundreds/thousands of patients with the disease

BioDiem Three core development programs





Influenza vaccines (seasonal and pandemic)



LAIV vaccine – licensed in multiple countries

Vaccine development platforms Hepatitis B/D, nasopharyngeal carcinoma, TB



SAVINE technology, LAIV viral vector, flavi and hepatitis virus technologies for novel therapeutic vaccines

Infectious disease therapies Fungal disease: difficult to treat



BDM-I antimicrobial compound

Bacterial disease: MRSA Parasites: Schistosomiasis

BioDiem Influenza Vaccines

Live Attenuated Influenza Virus: LAIV Advantages



Needle-free nasal delivery

No trained personnel and blood/sharps precautions unnecessary



Extensive clinical and market experience > 100m doses

In Russia efficacy and safety in >500,000 adults/140,000 children



Broader immune response

Than seen with inactivated influenza vaccines



High yields

In egg-based or cell-based production (with no reliance on eggs)



No adjuvant required

BioDiem Flu vaccines

Live Attenuated Influenza Virus: LAIV

Product	Disease Targets	Current Partners	Development Status
LAIV	Influenza – Seasonal & Pandemic	WHO SII (India) BCHT (China) IEM (Russia)	Marketed with license revenues \$A1.3m FY2012 Phase II (cell-based technology) Seeking growth & out-licensing in more markets
(Influenza)	Avian (Bird) Flu	IEM/WHO	Clinical trials completed in Thailand and Russia

BioDiem Vaccine development platforms

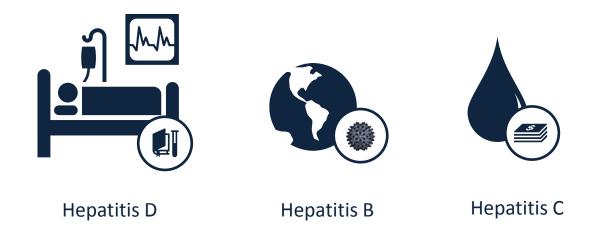
Opportunity to target multiple infectious diseases and related cancers





Disease Targets	Vaccine development	Nasopharyngeal carcinoma (NPC), tuberculosis (TB)
Current Partners	VIVALIS	In-house
Development Status	First stage of development project completed	Seeking partner for more advanced data in animals

BioDiem Hepatitis Vaccine (therapeutic)



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R&D program underway



BioDiem BDM-I antimicrobial disease targets

BDM-I currently in development as treatment against

- 'superbugs' such as antibiotic-resistant bacteria incl. TB, and others
- hard-to-treat fungal infections

Product	Disease Targets	Current Partners	Development Status
	Bacterial infections (tuberculosis, others)	US government backed research institutions	Entered in vivo testing in 2013
(Automiciosida)	Fungal infections	US government backed research institutions	Entered in vivo testing in 2013
	Parasitic diseases (schistosomiasis, others)	QIMR program	Entered in vivo testing in 2013



Expanding Global Partnerships and Alliances

Global partnering & commercialisation network



BioDiem Current Achievements

Vaccine Development Pipeline

	Research	Preclinical	Phase I	Phase II	Phase III	Marketed
Influenza vaccines		Cell based prod	uction			
(Seasonal & Pandemic)	Egg based production					
		alth Organisation for putitute of India and Cha			eveloping Country p	rivate markets
LAIV Viral Vector platform						
Hepatitis D PLATFORM (Hepatitis D/Hepatitis B therapeutic vaccine)						
Flavivirus PLATFORM (Dengue fever, West Nile, Murray River encephalitis)						
SAVINE antigen technology (Tuberculosis, NPC)						

BioDiem Current Achievements cont'd

BDM-I Development Pipeline

	Research	Preclinical	Phase I	Phase II	Phase III	On market
Bacterial targets (Biological warfare agents, MSRA, tuberculosis, other)						
Fungal targets (Difficult to treat fungi, incl. Scedosporium, Pneumocystis & Candida spp.)		-				
Parasitic targets (schistosomiasis, other)						

BioDiem Future Investment Opportunity

Vaccine market US\$52b by 2016

Antifungals market, US\$12.2 billion by 2016 Global antibacterials market, US\$46 billion by 2017 Anti-infectives market market,
US\$103 billion
by 2015

BioDiem BioDiem Limited

As at 20 Sep 2013 (\$AUD)				
Market Cap	\$5.7 M			
52 week range	\$0.03 - \$0.10			
Cash as of 30 Jun 13	\$1.2M			
Shares	142.1m			
Shareholders	910			
Listed Options	24.6m			

AGM on 8 Oct 2013 contains resolution to delist from ASX

Hugh Morgan AC



Chairman

Julie Phillips



CEO

Prof Larisa Rudenko



Non-executive Director

Prof Arthur Li



Non-executive Director

Don Brooks



Non-executive Director

BioDiem Next 12 months



Additional license revenues



Clinical trial results



Vector program



Results from expanded studies



Hepatitis vaccine progress



Expand sales and use of LAIV in new territories



BDM-I testing in animal models



Completion of BDM-E out-licensing or sale

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