

ASX Release

Anatara Investor Presentation

BRISBANE, 13th October 2016: Anatara Lifesciences (ASX:ANR) is pleased to release its latest institutional roadshow presentation and market update that will be delivered to investors over the next two weeks by CEO & Chairman, Dr Mel Bridges and Co-Founder and Chief Scientific Officer, Dr Tracey Mynott.

Presentation highlights include:

- Data on the growing need for a safe and effective alternative to the use of antibiotics in the production of livestock animals and in humans, in line with the United Nations' statement in September 2016 that drug resistance is "the greatest and most urgent global risk"
- The clear path to launch for DetachTM, Anatara's natural, non-antibiotic therapeutic to prevent gastrointestinal diseases in pigs, following the Company's recent application to register the product for marketing with the Australian Pesticides and Veterinary Medicines Authority
- An overview of the competitive landscape for other therapeutics used to treat gastrointestinal disease in pigs
- A status update on the Company's efforts to move its technology from pigs into humans, along with the commercial rationale for doing so.

A copy of the presentation follows.

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About Anatara Lifesciences

Anatara Lifesciences is developing therapeutics for gastrointestinal diseases in production animals and humans. Its lead product DetachTM is a natural plant based product that will help address global concerns around the overuse of antibiotics in production animals that is contributing to the rise of so-called "super bugs" that make infectious diseases harder to treat. The Anatara team has a strong track record in biological science as well as building and growing international biotech companies.





Natural Alternative to Antibiotics

October 2016









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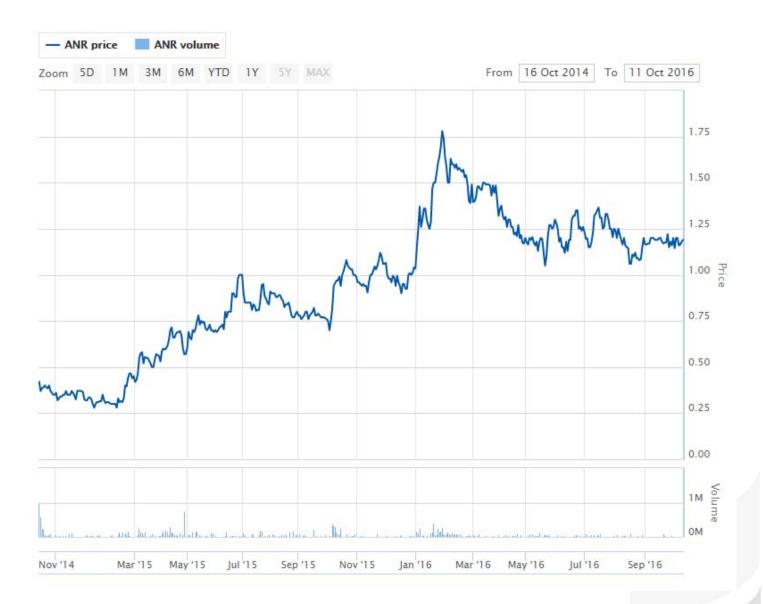
Key Financial Details

ASX Code	ANR
Share Price ¹	\$1.19
Market Cap	\$58.7 million
Ordinary Shares ²	49,288,246
Current Cash ³	\$13.8 million

- 1. As at 12 October 2016
- 2. 13,036,095 shares held by directors, other related parties, and persons who have received shares from these parties are subject to escrow until 17th October 2016.
- 3. Appendix 4E 30 June 2016



ANR Share Price Chart



Oral therapeutics for gastrointestinal disease in livestock and humans

Detach TM

- Natural, non-antibiotic therapeutic that prevents and treats gastrointestinal diseases including diarrhoea
- Meets the need to reduce antibiotics in animal production
- Unlike antibiotics, Detach™ will not contribute to antimicrobial resistance

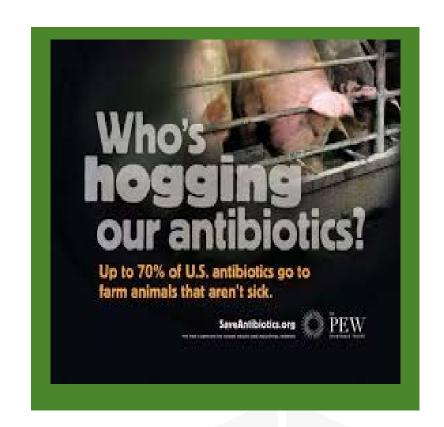




Market Need – Anti-microbial resistance

'the greatest and most urgent global risk'

- United Nations convened a high level meeting on anti-microbial resistance on 21 Sept 2016, calling AMR "the greatest and most urgent risk"
- Around 700,000 people die per year from antibiotic resistant "superbugs" (Wellcome Trust)
- Wide acknowledgement that antibiotic resistance is driven by antibiotic overuse — in man and animals





Lead indication – pigs

Diarrhoea affects hundreds of millions of piglets born each year





Market Opportunity is clear

- DetachTM addresses a major need
- Global animal antibiotic market valued at ~ \$4.63 billion in 2014¹.
 Production animals 70%. Pigs lead by market share of 25%.
- Pork is #1 consumed meat in the world
- Global demand for meat is rising. More than 85% more meat needed by 2030².
- DetachTM can be developed for chickens, calves and humans



Market Drivers

- World authorities are banning growth promoting antibiotics and restricting prophylactic antibiotics in animal production
- Consumers want their meat to be safe
- Retailers are demanding antibiotic free produce
- McDonald's, Subway and hundreds of other global food companies have put plans in place to supply antibiotic-free meat to their customers.
- Pork producers need effective alternatives to antibiotics



Anatara – A solution

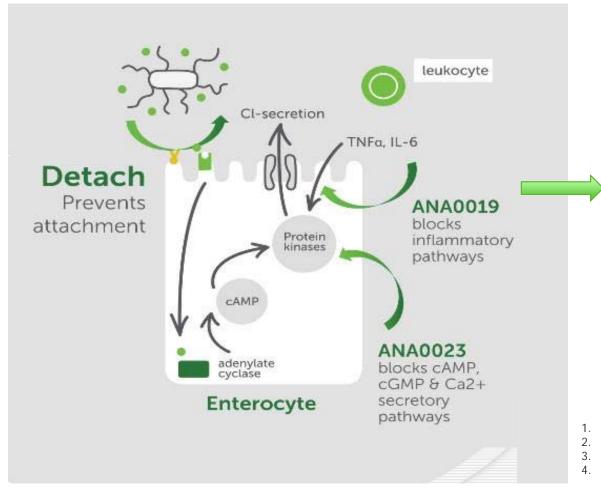
- Detach™ is an orally administered nonantibiotic anti-infective
- Proven efficacy evidence-based therapeutic claims
- Proven safety active ingredient is a natural plant based product
- Broad acting against a range of causes of diarrhoea
- Stable does not require refrigeration
- Unlike antibiotics, Detach™ will not lead to antimicrobial resistance
- Proven economic benefits for farmers
- Strong Intellectual Property portfolio
- Peer-reviewed publications in high impact academic journals





DetachTM Mode of action

DetachTM does not target the pathogen DetachTM acts on the underlying cause of diarrhoea



Anti-inflammatory opportunities

- 1. Chandler and Mynott. 1998. Gut 43:196-202.
- 2. Mynott, et al., *Gut* 38:28-32.
- 3. Mynott, et al. 1997. *Gastroenterol.* 113:175-184.
 - Mynott et al. 1999. J. Immunol. 163:2568-2575

Detach™ Poised for swift market entry

- Registration application submitted to the APVMA
- Launch planned in Australia for 2017
- A clear path to market
 - Proven efficacy (therapeutic claims)
 - Proven safety active ingredient is GRAS (generally recognised as safe)
 - Manufacturing complete at commercial scale and global supply confirmed
- Introduction of DetachTM is supported by industry, government, retailer & consumer demand
- Commercially validated



Current 50 kg scale (≈500,000 doses)



1,000 kg capacity (≈8,500,000 doses)



Commercialisation Strategy

Livestock

- Market Anatara will market DetachTM in Australia and NZ directly to pork producers – a heavily consolidated industry
- Supply Detach[™] will be supplied in Australia via pre-existing distribution channels
- Partner Co-development and commercialisation partners for DetachTM globally and other livestock species. Eg. Zoetis option to license agreement
- Expansion Seek partnerships for humans





Exclusive Option to license Detach™ for worldwide commercialisation with Zoetis

- Zoetis (zō-EH-tis) are the #1 global animal health company
- ~\$5 billion annual revenue, ~\$26 billion market cap

Option:

- Aggressive program for evaluation of Detach™ in multiple livestock species in progress
- Zoetis are funding cost of validation trials
- Upfront payment received
- Subsequent cash payments scheduled
- Further strengthened Anatara Balance Sheet
- IP remains the sole property of Anatara
- Anatara retains rights to AUS and NZ
- Validation of Detach™ technology





Competition and Limitations

Description	Example	Limitations
Antibiotics	Trimethoprim/sulfadiazine, Neomycin, Lincospectin (\$0.31 to \$3.50/pig)	Contributes to AMR/residues Not effective against viruses
Antimicrobial	Zinc Oxide (widely used although not approved in Australia) (\$0.34 / pig)	Antimicrobial resistance Environmental issues/residues Reduced palatability Quality control issues Not approved in all countries
Vaccines	Autogenous Multivalent Pathogen specific (up to \$3.00 per pig)	Pathogen specific Prevention only
Non-specific	Organic acids Essential oils Probiotics	Variable efficacy





Human Applications

There are 4 billion episodes of diarrhoea in the world annually.

Diarrhoea is the second cause of death in children under 5 years, and the leading cause of malnutrition.



Anatara technology – for humans

- Several different product opportunities based on modified forms of Bromelain-Rx
- These products could be used to treat several human gastrointestinal conditions, such as:
 - Diarrhoea
 - Inflammatory bowel disease and
 - Irritable bowel syndrome



- No product available that prevents all causes of GI diseases
- Diversity of diarrhoea poses a difficulty for drug developers

Human gastro related disorders/disease

1.4 million
people
suffering
in USA

2.3 million
people
suffering in
EU /
Australia

Inflammatory Bowel Disease is a global issue

10-15 Percentage of population with Irritable Bowel Syndrome

Traveller's diarrhoea

50 million travellers at risk per year. Rising to 100 million by 2020.



TD is a threat to military efficiency and preventative treatment is a priority for the US Army

Developing countries

#2

cause of death in under 5's (1.3 million kids per year.)



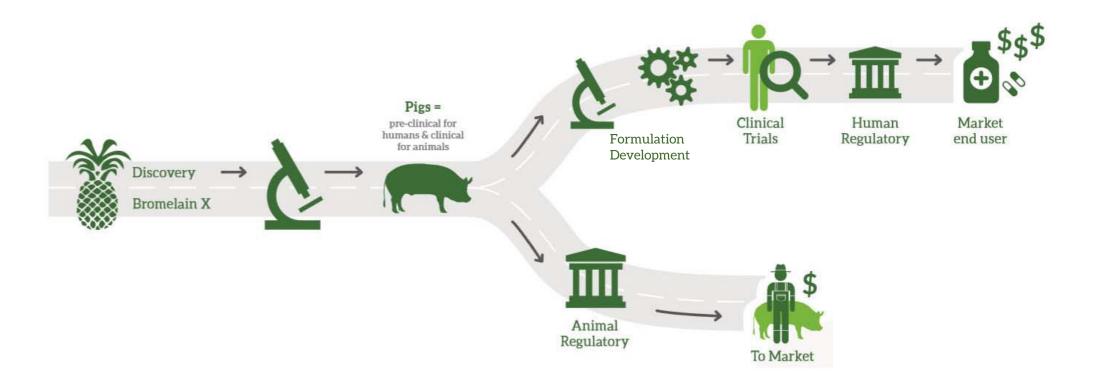
United States of America



~ 211-375m episodes of diarrhoea p.a. 116m people use anti-diarrhoea medication (31%).



Detach[™] - From pigs to people





- · Same mechanism of action for treatment of disease in pigs and humans
- Pre-clinical program for animals complete therefore development for humans de-risked
- Clinic ready (CMC, Toxicology, Pharmacology well developed)
- · Ready to Partner/Develop

DetachTM for Humans

Status

- Mode of action clearly understood, based on decades of research
- Pre-clinical efficacy database is very strong due to leverage of DetachTM data from pig studies
- Proof of concept in several animal models
- Confirmed efficacy in rabbit models with human diarrhoea pathogens
- Proof of concept in mouse model of inflammatory bowel disease
- Margin of safety studies (1x, 3x and 5x dose) in piglets completed (TAS study)
- Human Safety studies (Phase I) in healthy volunteers completed
 - 28 day treatment was very well tolerated





Human Development Program underway

La Trobe University, Melbourne collaboration

- Advances Anatara's pipeline of products to treat gastrointestinal and inflammatory diseases in humans
- Program includes the production, validation and pre-clinical evaluation of specific components isolated from the active ingredient in DetachTM
- New opportunities and product extensions
- Partnering discussions initiated





Key Milestones

	Status
USA Fee Waiver Granted	complete
Pork CRC Partnership	complete
Meet with FDA/CVM and EU regulators	complete
New patents filed	complete
Australian Field Trials	complete
1st Partnering Deal	complete
Animal Safety Trials (TAS study)	complete
Submit Dossier to APVMA	complete
Human Development program starts - La Trobe university collaboration	initiated
Appoint Australian/NZ Distributers	2017
APVMA Approval and sales commence	2017
Human Partnering Deal	2017



Anatara Investment Overview

- Experienced Board and management team with proven track records
- Seasoned Operational Team:
 - Regulatory Experienced Australia, EU and USA team
 - Manufacturing TGA and APVMA licensed GMP facility. FDA audited.
 - Clinical Trials Experienced through to registration
 - Commercial Experienced in Sales & Marketing
- Focus: Developing natural, plant-based products proven to enhance gastrointestinal health
- Lead product, DetachTM to control diarrhoea in piglets has a clear route to market:
 - Commercially validated and proven efficacy
 - Development strategy de-risked and revenues within 1 year
- Well funded sufficient to launch Detach™ in AU, EU and USA
- Product pipeline animal product leads to human product development for partnering / licensing
- Products have broad clinical applications and importantly, scientific and clinical evidence of efficacy, health benefits and safety.





Thank you

"With the world's meat production needs set to rise 100% by 2050, it is important we act now to develop non-antibiotic treatment options."

Dr Mel Bridges, Chairman – Anatara Lifesciences



Questions

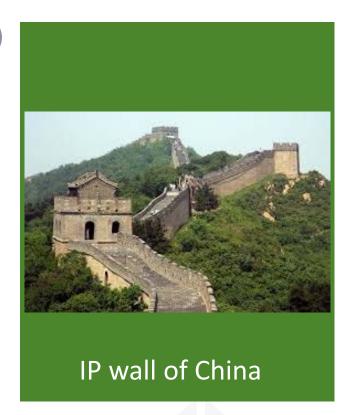
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Intellectual Property

- PCT application filed (August 2015)
- Second PCT application filed (August 2016)
- Solid patent strategy in place for further patents to be filed in major territories
- Claims cover the Detach[™] formulation, as well as use of the active ingredient and composition of matter for the active components within Bromelain-Rx
- Bromelain-Rx is not the same as common bromelain
- Detach[™] formulation has superior efficacy to bromelain or bromelain-Rx alone





DetachTM Field Trial Summary

Previous Trials

- 20 positive field trials on commercial farms
- Detach™ safe and effective in several thousand piglets

Registration Trials

- Successful trial in Spain (ANR 12-001)
- Successful trial in Northern Victoria (ANR 14-001)
- Successful trial in South East Queensland (ANR 15-001)
- Successful results in different age groups, in different geographical locations and under different clinical scenarios (mild and severe conditions)
- Final trial farm selected and in advanced planning (Back up sites under evaluation)

DETACH [™] FIELD TRIALS





Target Animal Safety Study

- GLP Target Animal Safety (TAS) Study in 2 day old piglets
- Study provides detailed safety data for piglets and humans
- 40 piglets (n=10 per group, 4M:4F) administered 0x (placebo), 1 x, 3x and 5x the recommended dose every 3-4 days for three weeks
- DetachTM proven to be very safe at doses and frequency that far exceed the recommended regimen
- Safety assessed by clinical observations, body weight gain, tissue weights, tissue histopathology, haematology, serum chemistry and urine analysis (VICH GL43)

