Proteomics International
LABORATORIES LTD

Shareholder Presentation | Perth, WA

Annual General Meeting | 28th November 2017

Global leader in predictive diagnostics & analytical services

ASX: PIQ

Disclaimer & forward-looking statements

This Presentation is provided by Proteomics International Laboratories Ltd (PILL, the Company).

You should not rely upon anything in this presentation and/or any information obtained from the Company, its Directors or their associates in deciding whether or not to seek to purchase the shares of the Company. This is not an offer to subscribe for securities in the Company.

The Presentation may contain quantitative statements of anticipated future performance such as projections, forecasts, calculations, forward-looking statements or estimates all of which are based on certain assumptions (Forward Looking Statements). The Forward Looking Statements may involve subjective judgements and are based on a large number of assumptions and are subject to significant uncertainties and contingencies, many of which are outside the control of the Company and may not prove to be correct.

No representation or warranty is made that any Forward Looking Statements will be achieved, or occur, or that the assumptions upon which they are based are reasonable or the calculations from which they have been derived are correct. Actual future events may vary significantly from the Forward Looking Statements. Each Recipient should undertake its own independent review of the Forward Looking Statements, including the assumptions on which they are based and the financial calculations from which they are derived.

PIQ in brief

- Specialist **MedTech and Life Sciences** company focused on the application of proteomics
- Revenue generating - **Est'd 2001**
- Listed on **Australian Stock Exchange** 2015 (code: PIQ)
- Western Australian **Exporter of the Year** 2016
- **World's first company** to receive ISO 17025 laboratory accreditation for proteomics services
- Proven technology with established IP
- Operates from purpose built, **state-of-the art facilities** in Perth, Western Australia
- **Product commercialisation on track**
- **Revenue streams growing**

ISO 17025

Quality is Assured

Corporate overview

Capital Structure	
ASX code	PIQ
Shares on issue	59m
Market capitalisation (@ 18c)	$10.6m
Listed (@ 20c); raised $3m	Apr 2015
Placement/SPP (@ 24c); $2m	Dec 2016
12 month price range	28c-15c

Shareholders	
Top 20 Shareholders	63.1%
Major Shareholders	
Lipscombe	27.5%
Dunlop/Randolph Res PL	9.2%
XYLO PL	9.0%
HSBC Nominees	3.1%
Sparrow Holdings PL	1.8%

Dec '16 **PIQ** Nov '17

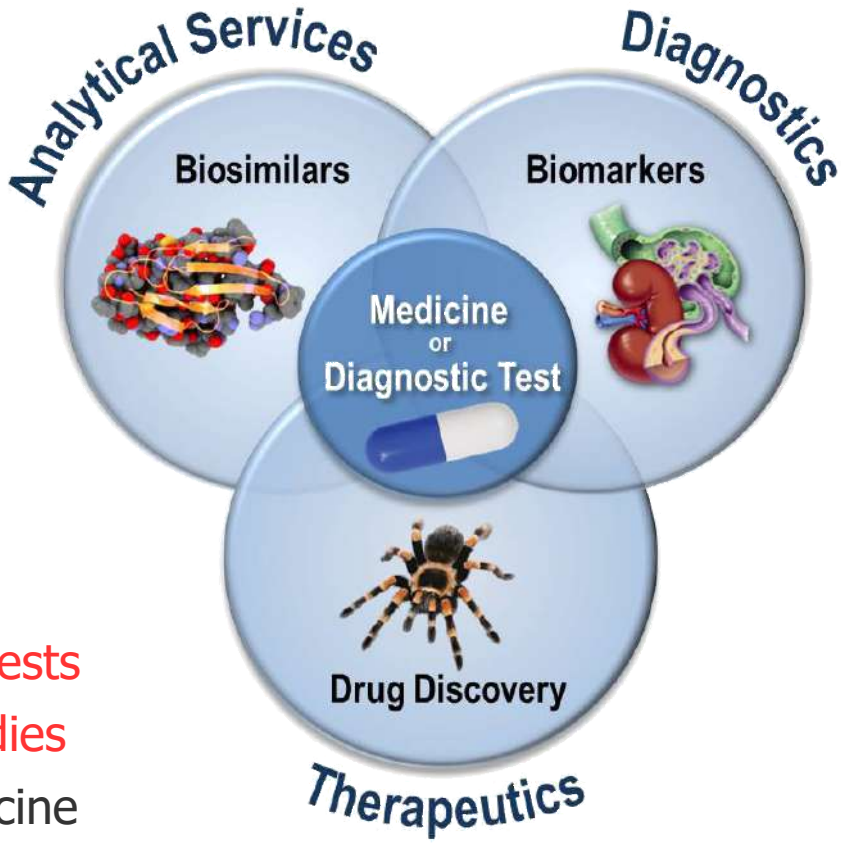
Balance sheet and P&L	
Income 2016-17	$1.9m (+30%)
Cash burn 2016-17	$0.9m (- 31%)
Income 2017-18 (est.)	$2.7m (+42%)
Cash burn 2017-18 (est.)	$0.5m (- 44%)
Cash at Sept 30th 2017	$1.5m

Business model: strategic rationale

Three **integrated areas**

Unifying **"Promarker™"** platform technology

- leverage & efficiency



- **Analytical services**

Best in class Quality Control testing

  - Biosimilars & biologics
  - Pharmacokinetic (PK) testing for clinical trials

- **Diagnostics**

Proven technology platform to create diagnostic tests

Ability to link clinical trials & pharmacokinetic studies

  - Biomarkers of disease and personalised medicine
  - Proven platform for biomarker discovery & validation

- **Therapeutics**

  - Peptide based drug discovery

Proteomics International

Analytical services

Accreditation

- **World's first company** to receive ISO 17025 laboratory accreditation for proteomics services (2009)
- All sample analysis is undertaken in accordance with the standards of:

  ISO/IEC 17025:2005 (Chemical Testing); and

  ISO/IEC 17025:2005 (Research and Development)

ISO 17025
Quality is Assured

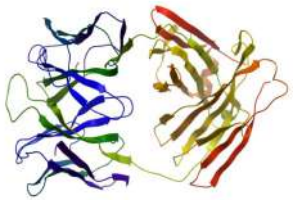
- ISO 17025 laboratory standard ensures generation of **technically valid results**, and is the most widely used standard for USA federal testing laboratories: www.fda.gov/RegulatoryInformation/Guidances/ucm125434.htm
- The management of research projects is conducted in accordance with the **OECD Principles of Good Laboratory Practice**
- The facilities, methods and protocols used are assessed by NATA every 18 months providing **facility wide accreditation**

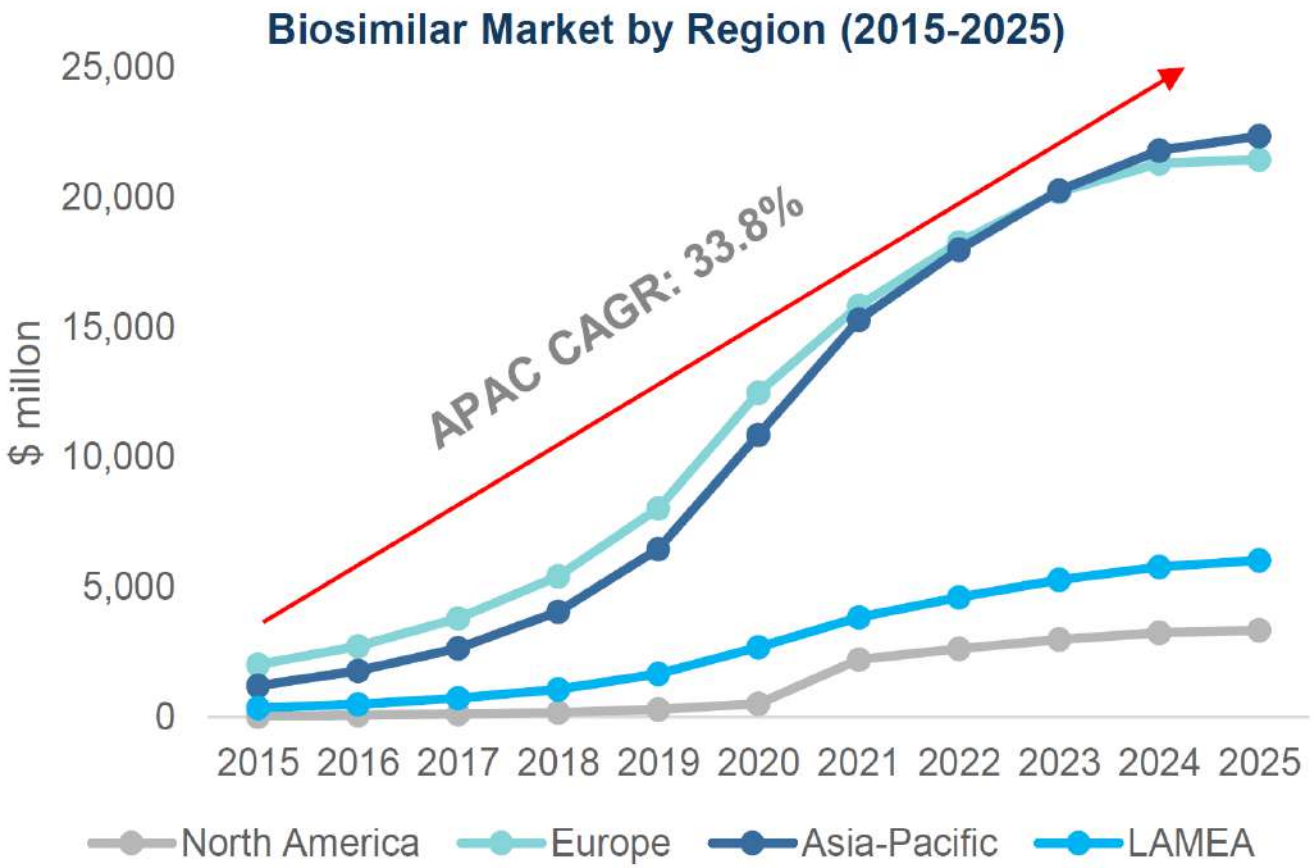
NATA Accreditation No: 16838

Fast growing biosimilars market

Analyses required to demonstrate biosimilarity

- Protein sequence mapping
- Intact mass determination
- N/C-terminal sequencing by mass spectrometry
- N-terminal (Edman) sequencing
- Amino acid analysis
- Disulphide mapping
- Impurity profiling (Met oxidation and deamidation)
- PEGylation analysis
- Glycosylation analysis
- Aggregation analysis by analytical ultracentrifugation
- Circular dichroism and X-ray crystallography
- Stability testing of new drug substances and products





Proteomics International

Diagnostics & Biomarkers

Promarker™ platform technology

Unique protein biomarker 'fingerprints'

Identification of Disease or Condition

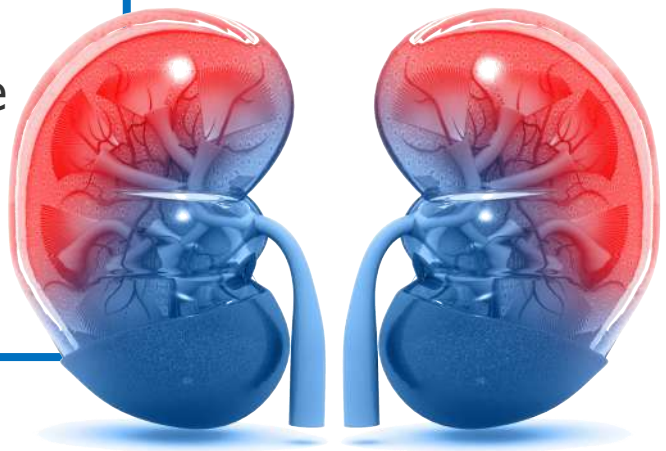
Case study – the PromarkerD success story

The Problem

422 million people globally have diabetes (World Health Organisation)

1 in 3 diabetic adults have chronic kidney disease (US Centre for Disease Control)

- There are no early symptoms of diabetic kidney disease
- There is currently no available test for predicting the onset of diabetic kidney disease

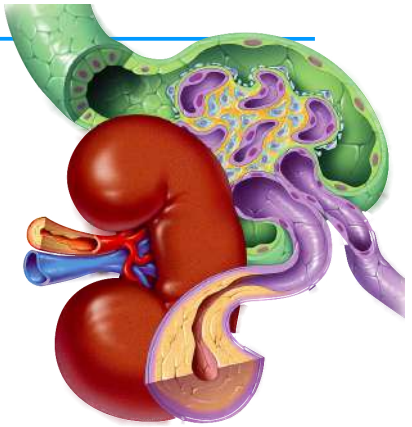


The Solution

A predictive diagnostic test for diabetic kidney disease

- PromarkerD can **diagnose** diabetic patients already suffering from chronic kidney disease that the current gold standard tests miss
- PromarkerD can **predict** the onset of disease **before** clinical symptoms appear
- *Doctors can then prescribe an early therapeutic treatment to stop the onset of disease*

PromarkerD – key findings



Diabetes Care Publish Ahead of Print, published online August 29, 2017

Identification of Novel Circulating Biomarkers Predicting Rapid Decline in Renal Function in Type 2 Diabetes: The Fremantle Diabetes Study Phase II

Kirsten E. Peters,[1,2] Wendy A. Davis,[1] Jun Ito,[2] Kaye Winfield,[2] Thomas Stoll,[2] Scott D. Bringans,[2] Richard J. Lipscombe,[2] and Timothy M.E. Davis[1]

https://doi.org/10.2337/dc17-0911

Patent No.: US 9,146,243 B2
Date of Patent: Sep. 29, 2015

METHOD OF ASSESSING DIABETIC NEPHROPATHY USING CD5 ANTIGEN-LIKE

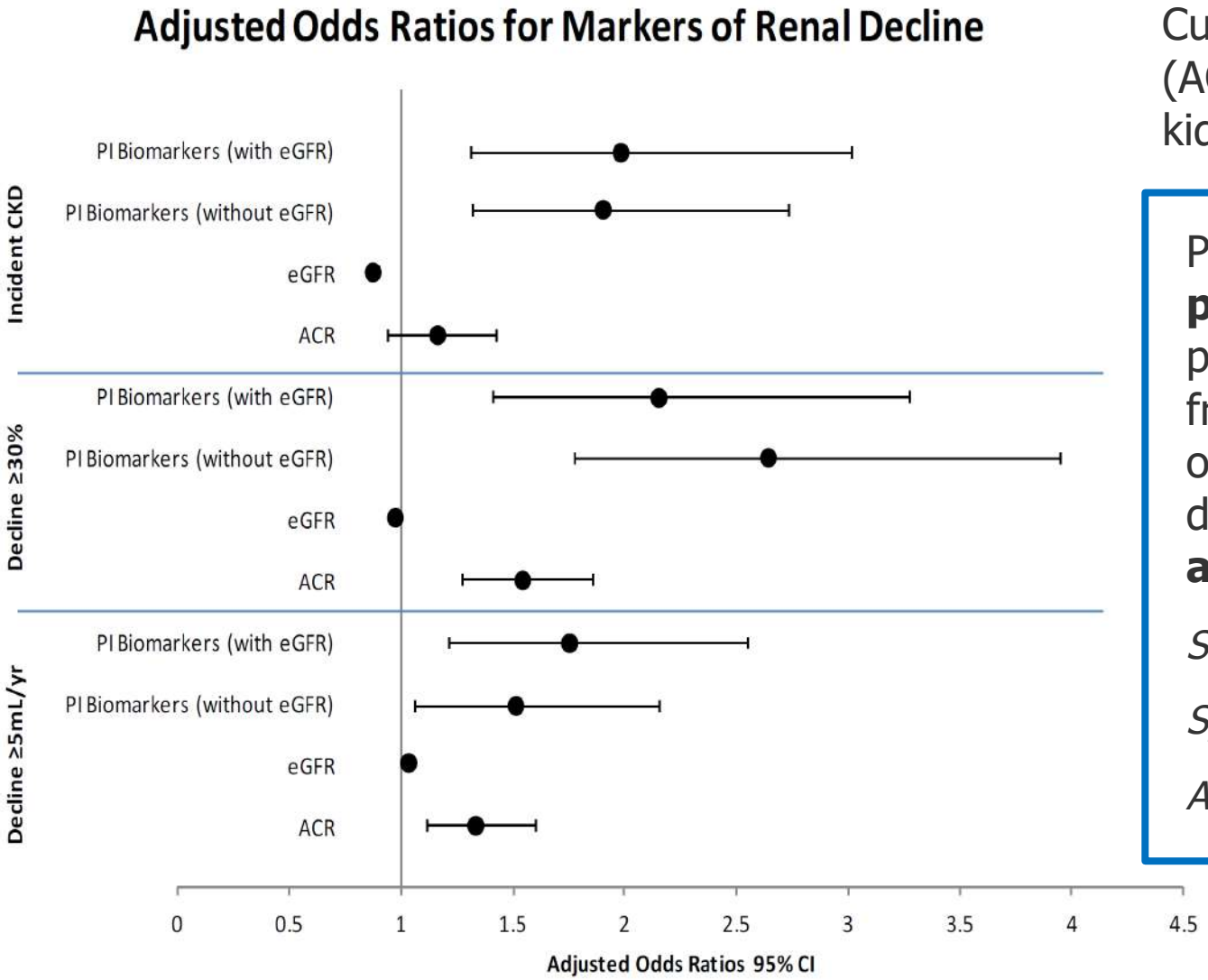
Inventors: **Thomas Stoll**, Windorf (DE); **Scott Bringans**, Harrisdale (AU); **Kaye Winfield**, Bayswater (AU); **Tammy Casey**, Mount Pleasant (AU); **Wendy Davis**, Cottesloe (AU); **Kirsten Peters**, Wellard (AU); **Timothy Davis**, Cottesloe (AU); **Richard Lipscombe**, Floreat (AU)

EuPA Open Proteomics 14 (2017) 1–10

Comprehensive mass spectrometry based biomarker discovery and validation platform as applied to diabetic kidney disease

Scott D. Bringans[a,*], Jun Ito[a], Thomas Stoll[a], Kaye Winfield[a], Michael Phillips[b], Kirsten Peters[a,c], Wendy A. Davis[c], Timothy M.E. Davis[c], Richard J. Lipscombe[a]

PromarkerD versus current tests



Current 'gold standard' tests (ACR or eGFR) cannot predict kidney decline

PromarkerD can correctly **predict 86%** of the previously kidney disease-free diabetic patients who go on to develop chronic kidney disease up to **4 years in advance**

Sensitivity 86%

Specificity 78%

AUC 0.88

Commercialisation on track

PromarkerD Milestones	2017-18			
	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun
IP protection and KOL engagement				
Key patents secured and extended [1]	✓	✓		
Predictive test clinical study results published	✓			
IVD roll-out (Dominican Republic)				
Prototype kit manufacture complete	-- -- --	-- ✓		
First commercial sales of IVD		--	■	
Milestone payment for first commercial sales			■	
Licensing				
First licensing deal/partnership for LDT		-- ■		
First licensing deal/partnership for CDx		■		
Second licensing deal for IVD			■	

1 Patents for DKD were first granted in the USA, Singapore and Australia in 2015, and in China and Russia in 2016; other jurisdictions remain pending. An expansion of the PromarkerD patent to all kidney disease was granted in the USA in August, and in Australia in November.

-- Original target | ✓ Completed

Proteomics International

Pharmacokinetic testing (PK) for clinical trials

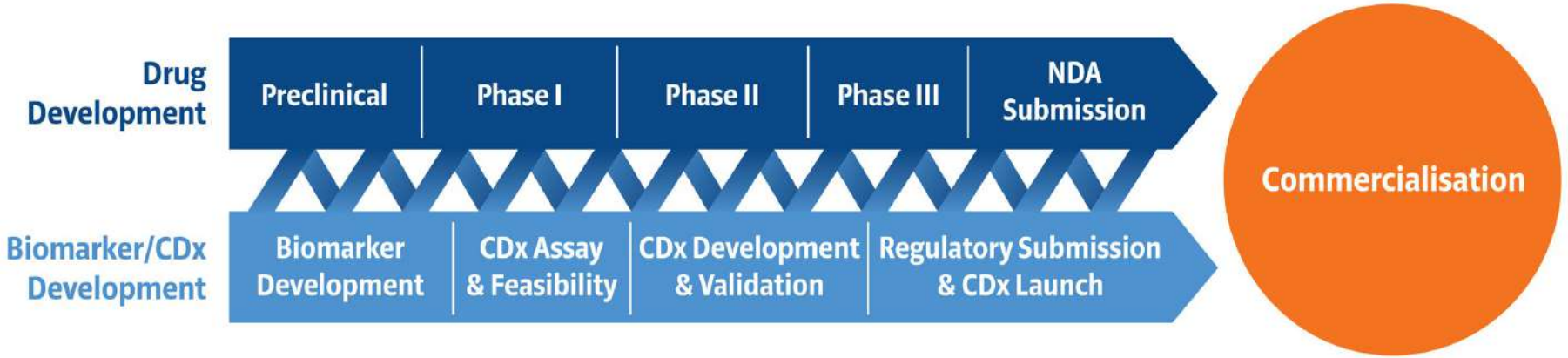
Pharmacokinetic testing (PK)

Revenues have commenced

- **Pre-clinical and clinical** quantitative assays for any investigational drug product
  - Accurate and precise
  - Large and small molecules
  - Leverages a wealth of expertise in building novel assays
  - High throughput robotics and high end LCMS capabilities
  - Fast turn around
  - Quality guaranteed

Value proposition: synergies in combining diagnostics and clinical trials

- **Australia is a global leader in clinical trials**
  - In 2016 there were over 1500 clinical trials run in Australia-NZ
  - Efficient regulatory framework | High quality trial sites | Results accepted globally



- **Companion Diagnostics (CDx) are a key tool to develop drugs more efficiently**
  - The FDA states a Companion Diagnostic.... provides information that is essential for the safe and effective use of a corresponding drug or biological product
  - Identify patients in need | More accurate dosing | Monitor side effects | Improved success rate

Partner capabilities uniquely link clinical trials and diagnostic test development

Please contact

Richard Lipscombe

Managing Director

T: +61 8 9389 1992 | E: enquiries@proteomicsinternational.com

www.proteomicsinternational.com

Terry Sweet

Chairman

E: t.sweet@proteomicsinternational.com

Paul Hart

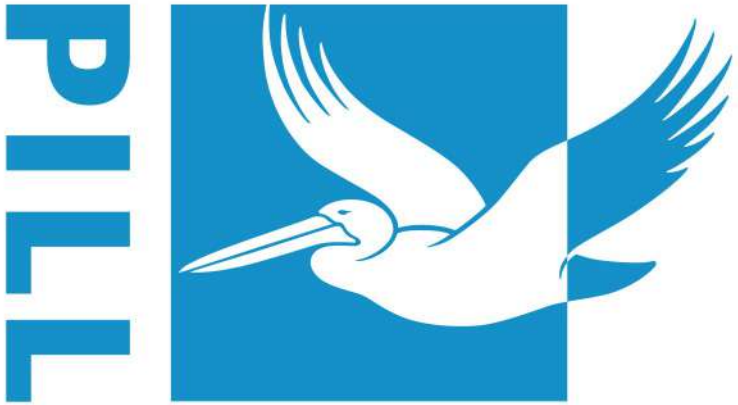
Investor Relations, Canary Capital

M: +61 421 051 474 | E: phart@canarycapital.com.au

Susan Fitzpatrick-Napier

Media Contact, Digital Mantra Group

P: +61 2 8218 2144 | E: team@dmgpr.com



Proteomics International

LABORATORIES LTD