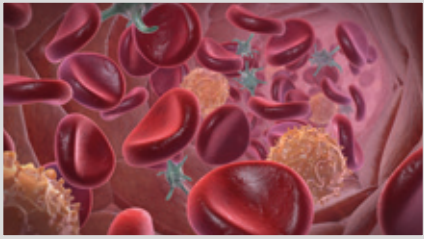


THANZ Meeting – Brisbane



THANZ Scientific Workshop – Brisbane 20th October 2018

The THANZ Scientific Workshop is for THANZ members, clinicians, scientists and researchers working in the fields of thrombosis and haemophilia. This year the Perth Blood Institute was well represented with our researchers.

Jiayin Tian presented oestrogen's effect on an important coagulation protein, tissue factor. This is part of her PhD project. And the Perth Blood Institute is the first in analysing the link between oestrogen and tissue factor protein levels.

Mitchell Bulluss presented a novel diagnostic assay examining tissue factor pathway inhibitor and autoimmunity. This was part of his Honours project and set an important foundation work for future research into autoantibody production in autoimmune diseases and coagulation complications.

At Blood Meeting - October 21-24 in Brisbane

Jim Tiao presented gene skipping as a future treatment for Haemophilia A on the last day of the 2018 Blood Meeting. The research provides an important scientific insight into a less invasive treatment options for congenital cases of Haemophilia A patients.

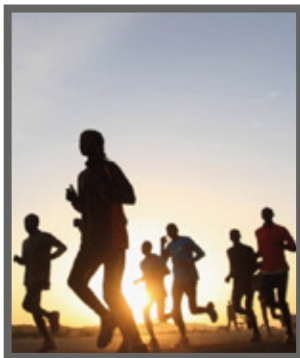
Grace Gilmore presented the influence of Ibrutinib and Acalabrutinib, both are for cancer treatment, on platelet function in healthy volunteers. It has been shown that some patients on Ibrutinib have bleeding issues. This project is to see if there is a platelet test that would predict which patient will have bleeding issues.

Wildflower Festival Of Running

Perth Blood Institute were fortunate to be involved with the 'Wildflower Festival of Running' Pinnacles Desert Run in Jurien Bay on the weekend of 13 & 14 October.

Participants walked, ran or jogged and enjoyed spectacular scenery whilst raising funds for the Perth Blood Institute.

Our thanks to Stephen Doyle from All Bar None and we look forward to doing it again in 2019!



WILDFLOWER FESTIVAL OF RUNNING
A weekend of running events

Saturday 13 October 2018	Sunday 14 October 2018
Pinnacles Desert Run	Turquoise Coast Half Marathon
10.5km : 5km	21.1km : 10.5km : 5km
A unique trail run in Nambung National Park	A flat run on the Turquoise Coast Pathway

A Scenic and Challenging Weekend of Running in two of Australia's unique areas – The Pinnacles at Nambung National Park and the pristine coastline of the Turquoise Coast Path at Jurien Bay.

FIELD LIMIT PINNACLES DESERT RUN - ENTER EARLY

For individuals of all ages and families
WEB: alibarnone@bigpond.com for information and Registration

ALL EVENTS ENTER ONLINE AT: www.alibarnone.com
Email: alibarnone@bigpond.com for a Team / Group Entry Form / Information

Logos: Great Natural, All Bar None, Perth Blood Institute

Joke of the Month

A lawyer, who had a wife and 12 children, needed to move because his rental agreement was terminated by the owner who wanted to reoccupy the home.

But he was having a lot of difficulty finding a new house. When he said, he had 12 children, no one would rent a home to him because they felt that the children would destroy the place. He couldn't say he had no children, because he couldn't lie.

Now we all know lawyers cannot, and do not lie?

So, he sent his wife for a walk to the cemetery with 11 of their kids.

He took the remaining one with him to see rental homes with the real estate agent. He loved one of the homes and the price was right, the agent asked, "How many children do you have?" He answered "Twelve."

The agent asked, "Where are the others?" The lawyer, with his best courtroom sad look answered "Well, they're in the cemetery with their mother."

MORAL: It's not necessary to lie, one only has to choose the right words...and don't forget, most politicians are unfortunately lawyers.

Bequests



The Perth Blood Institute is a charitable, not for profit research institute and our goal is to provide the highest standard of care to people diagnosed with blood disorders and blood cancers and the ability to involve them in 'state of the art' clinical trials and translational research.

We respectfully request consideration when contemplating your Will.

After you have looked after your loved ones, leaving a gift in your Will is a worthwhile and memorable way for you to make a lasting contribution which could make a real difference in the lives of those with blood disorders and blood cancers.

If you already have a Will, all you need to do is add a codicil – a short legal amendment to your existing Will. A simple way to leave a bequest is to include a residuary gift. This means a percentage or the remainder of your estate can be left to 'The Perth Blood Institute Limited' after you have taken care of your family and any other loved ones.

Making a Will is a very personal decision and should you decide you would like to leave a bequest or wish to discuss further with us, please contact **Adriana Filippou** via adriana@pbi.org.au or **9200 4904**.



New **Discovery**. Better **Care**.

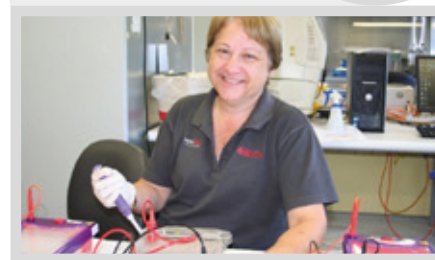
3/95 Monash Avenue, Nedlands WA 6009
P +61 8 9200 4904 F +61 8 9200 4905
info@pbi.org.au www.pbi.org.au



OCT 2018

BLOOD MATTERS

Meet Our Researchers — Grace Gilmore



Grace Gilmore in laboratory at the Murdoch University.

Grace Gilmore is Research Scientist at WACTH at Murdoch University.

Grace worked as a medical scientist at Royal Perth Hospital in the Coagulation laboratory for many years. She worked alongside Prof. Baker when she joined the Coagulation team and shared his passion and enthusiasm which inspired her learn more in this field.

In 2015, Grace joined the PBI/WACTH team based at Murdoch University. Grace is involved in clinical research, looking at reversal agents for direct anticoagulants and at drugs used in Chronic Lymphocytic Leukaemia and how they affect platelet function.

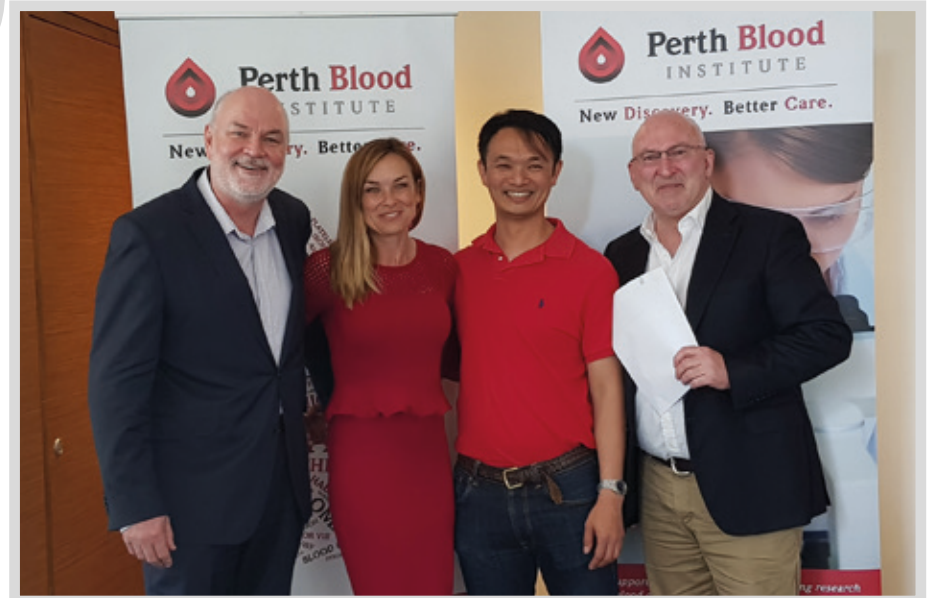
This has given Grace the opportunity to present her work at conferences around the world in cities like Berlin, Boston, Geneva, Montpellier and to meet many other research scientists alike.

Grace holds an Honorary Research Associate position at Murdoch university and supervises honour students. She also conducts demonstrations and lectures the Laboratory Medicine course at Murdoch.

Grace is also on the THANZ National Council and organises medical education workshop for scientists, doctors and medical students.

When Grace is not working, she enjoys reading, cooking (Italian of course) and walking Narla, the family dog.

Another Bloody Breakfast – THROMBOSIS



(Left to Right) Prof. Ross Baker, Chrissy Morrissey, Dr Jim Tiao & Tony McManus



Alicia Martin with her parents Steven & Bev Martin

World Thrombosis Day was October 13 - 1 in 4 people die from causes related to thrombosis. It's a leading cause of global death and disability. Thrombosis is the formation of potentially deadly blood clots in the artery or vein. Thrombosis was the topic at **'Another Bloody Breakfast'** hosted by 6PR's **Tony McManus** on **Thursday 18th October** at **University Club of WA**.

Tony briefed the audience the two main symptoms of thrombosis are pain and swelling. The pain in the affected area (usually the leg) begins like a cramp and may intensify. Swelling occurs in the vicinity of the blood clot and in rare cases, there may be no symptoms at all!

Most blood clots can be prevented, if the risk factors are assessed appropriately.

Fact: Researchers have discovered the link between women who take the pill and blood clots. While blood clots can affect anyone, they were the second leading cause of death in pregnant women and can cause fertility problems and miscarriage.

Special guest Alicia Martin had the audience in awe, when telling her story of living with thrombosis and DVT for over 10 years. Amongst the audience was Chrissy Morrissey who also had a personal connection.

PBI & USA Mayo Clinic – Clinical Trial

NEWS FLASH!! The latest myeloma research study enrolling patients from Perth was presented at the Annual Meeting of the American Society of Clinical Oncology (ASCO) in Chicago on **4th June 2018**.

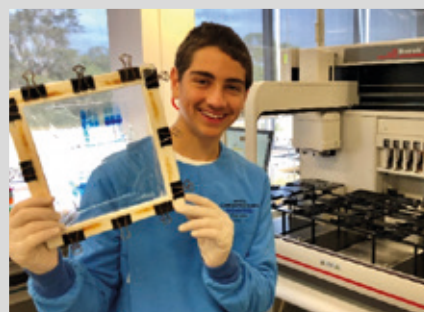
Perth Blood Institute is collaborating with the Mayo Clinic USA together with German and Greek Leading Haematology Research Centre's, for the early treatment of patients with high risk smouldering myeloma.

Perth Blood Institute's clinical research investigators Dr's Peter Tan, Maan Alwan and Prof. Ross Baker are excited, that ground breaking clinical trials are active here in Perth, giving the people of WA a chance to participate and benefit from the latest world's best research and treatment for blood diseases.



For more info about participating in a Clinical Trial, go to:
<http://www.pbi.org.au/clinical-trials.html>
or email info@pbi.org.au

Work Experience Student



Lucas from Wesley College Year 10 Student

Wesley College Year 10 student, Lucas was fortunate to undertake his work experience week (19-22 June) at the WA Centre for Thrombosis and Haemostasis (WACTH) at Murdoch University. Lucas was under the supervision of Dr. Jim Tiao, a strong advocate of promoting scientific research to high schools students.

Senior Research Scientist Grace Gilmore, was able to show Lucas how to use 3 different platelet assays to see the effect of a drug that is currently being used for Chronic lymphocytic leukaemia.

We set up protein gels to separate proteins. This is then transferred onto a membrane. Then add an antibody to detect the protein of interest. This is a western blot.

Is your son/daughter ready to experiment, ask questions, wonder and investigate? They'll do all this and more as they explore science, technology, engineering and maths (STEM) concepts through fun, hands-on activities.

Students can explore the world in a new light through engaging and interactive experiences.

For more information, please contact **Adriana Filippou** on **(08) 9200 4904** or email adriana@pbi.org.au

Medical Science Encounter – Student Workshops



Year 11 & 12 Student Workshops held by WACTH at Murdoch University.

Again the Perth Blood Institute conducted their successful 'medical science encounters' - ½ day workshops for Year 11 & 12 students during the July and September school holidays. These workshops are held for high achieving students wanting to gain work experience in medical research.

The workshops were held at (WACTH) West Australian Centre for Thrombosis and Haemostasis at Murdoch University. Students had the opportunity to use lab equipment and gain practical experience, asking questions as each of our scientists presented their projects. A few of the topics covered included 'Gene Cloning: DNA cut and paste; 'ABO Blood



GroupTyping' and 'Molecular discovery'.

Interested students should contact

adriana@pbi.org.au or **(08) 9200 4904**.

Fundraise For Us



Thanks go to our small community fundraisers, like **Grill'd in Napoleon Street, Cottesloe** with their 'Local Matters' jar community donation fundraiser. PBI were lucky to be the recipients of \$100.00.



BUT we need more of you!!

You can fundraise at your local club or work, even a morning tea with friends. We can help you with some suggestions to get you going and tips to help make your activity a success.

For more information on how to become a Community Fundraiser, contact

Adriana Filippou on **(08) 9200 4904** or email adriana@pbi.org.au

Clinical Trial - We need you!

Call for Participants in Medical Research Study
biomarkers in pregnancy-associated thrombosis and recurrent miscarriage

We are seeking **premenopausal women between 18 - 45 years** to take part in a medical research study investigating blood markers that contribute to thrombosis (the formation of blood clots in the blood vessel causing an obstruction of blood flow) during pregnancy and recurrent pregnancy loss.

As part of your involvement in this study, you will fill in a **short questionnaire** consisting of multichoice and short answer questions about your medical history, ongoing medications, dietary exposures, pregnancy related complications and a direct family history relating to thrombosis.

We will also need to collect a **40mL blood sample**. This will be performed by a fully trained phlebotomist or a medical practitioner. Genetic material (DNA and RNA) from your blood will be tested as part of the study. Your samples may also be used in future research investigating factors causing clotting disorders and Protein S deficiency.

This study has been reviewed and received human research ethics approval at Hollywood Hospital and Murdoch University.

For more information, please contact:

Dr Jim Tiao: (08)9360 1319
Email: j.tiao@wacth.org

Ms Jiayin Tian: (08)9360 1319
Email: j.tian@wacth.org

HREC 10PH478 and Murdoch 2017/005

Ampang Hospital Kuala Lumpur



Haematology trainees



Grace Gilmore and trainee performing tests in water bath

Dr Mandy Yap invited Prof Ross Baker and Senior Scientist Grace Gilmore to take part in the Haemostasis Workshop Weekend, on September 22 and 23 at Ampang Hospital in KL.

The workshop was sponsored by the Malaysian Society of Haematology and the ISTH Reach

the World Program. All reagents were donated by Diagnostica Stago. The Conference was attended by 36 Haematology trainees and 10 lab staff who participated in hands on experience of performing manual coagulation tests in a water bath.

Thrombosis Australia – Coming Soon!

Thrombosis Australia is a new initiative of the Perth Blood Institute which aims to provide an information platform for professionals, as well as patients and their families to engage and have access to essential resources.

Our aim is to demonstrate the impact that thrombosis has on a wide range of different people of all ages and circumstances.

The Thrombosis Australia website is an online resource dedicated to thrombosis and blood

disorders and the first of its kind in Australia. The website provides an opportunity to create a network for people to engage and connect as part of a community. It incorporates basic information on the circumstances of thrombosis and stories from patients that have gone through the thrombosis experience.

Thrombosis Australia will go 'live' early 2019.



Calendar of Events

SEPTEMBER

National Stroke Week
Date: **Wednesday 12th September**

World Lymphoma Awareness Day
Date: **Saturday 15th September**

OCTOBER

World Thrombosis Day
Date: **Saturday 13th October**

NOVEMBER

International Day of Tolerance
Date: **Friday 16th November**

DECEMBER

Human Rights Day
Date: **Monday 10th December**

Christmas Day
Date: **Tuesday 25th December**

For more info about PBI events, please contact us P : + 61 8 9200 4904 F : + 61 8 9200 4905 E : adriana@pbi.org.au