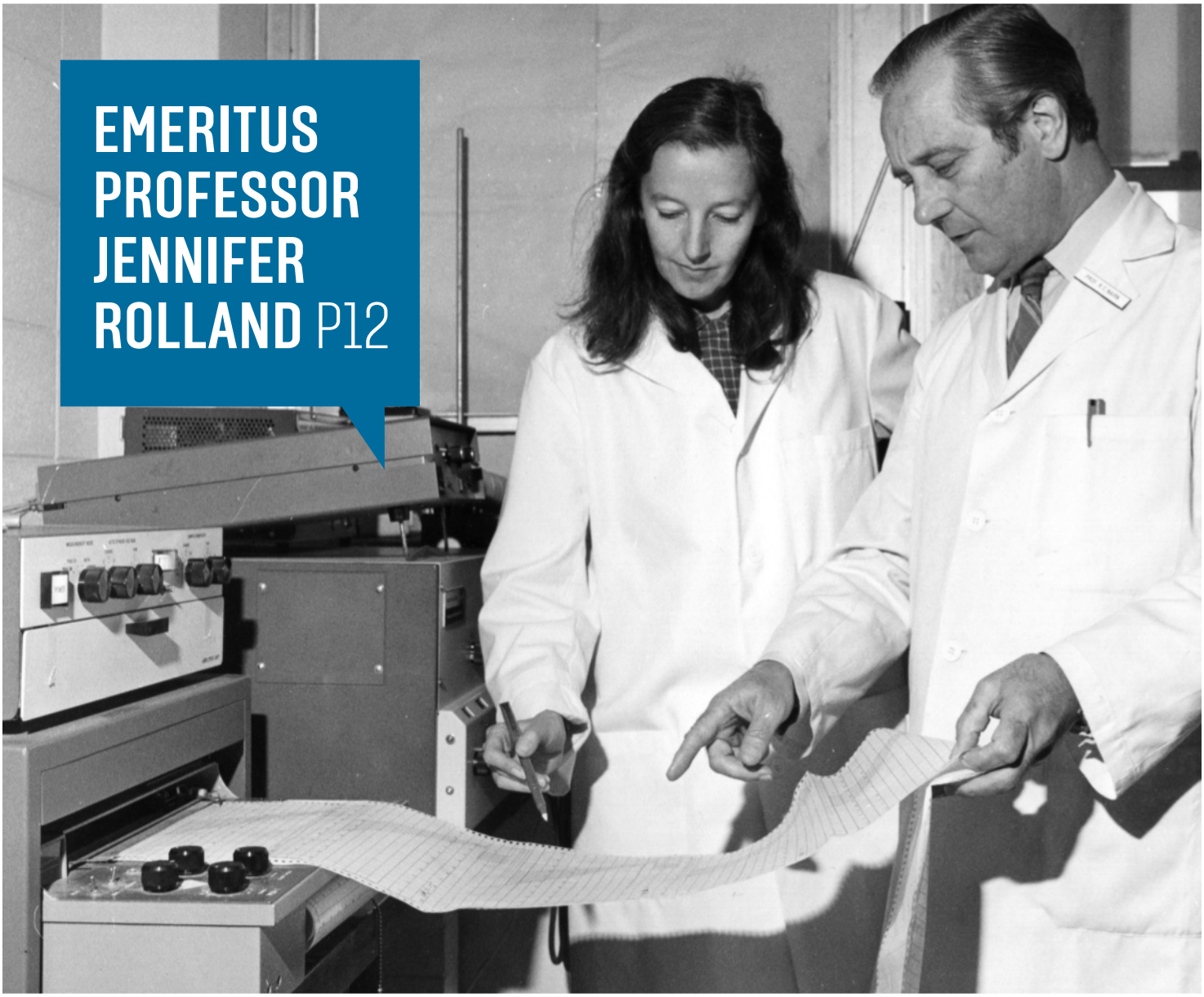
Australasian Society for Immunology Inc.

ASI NEWS

MARCH 2018



EMERITUS PROFESSOR JENNIFER ROLLAND P12

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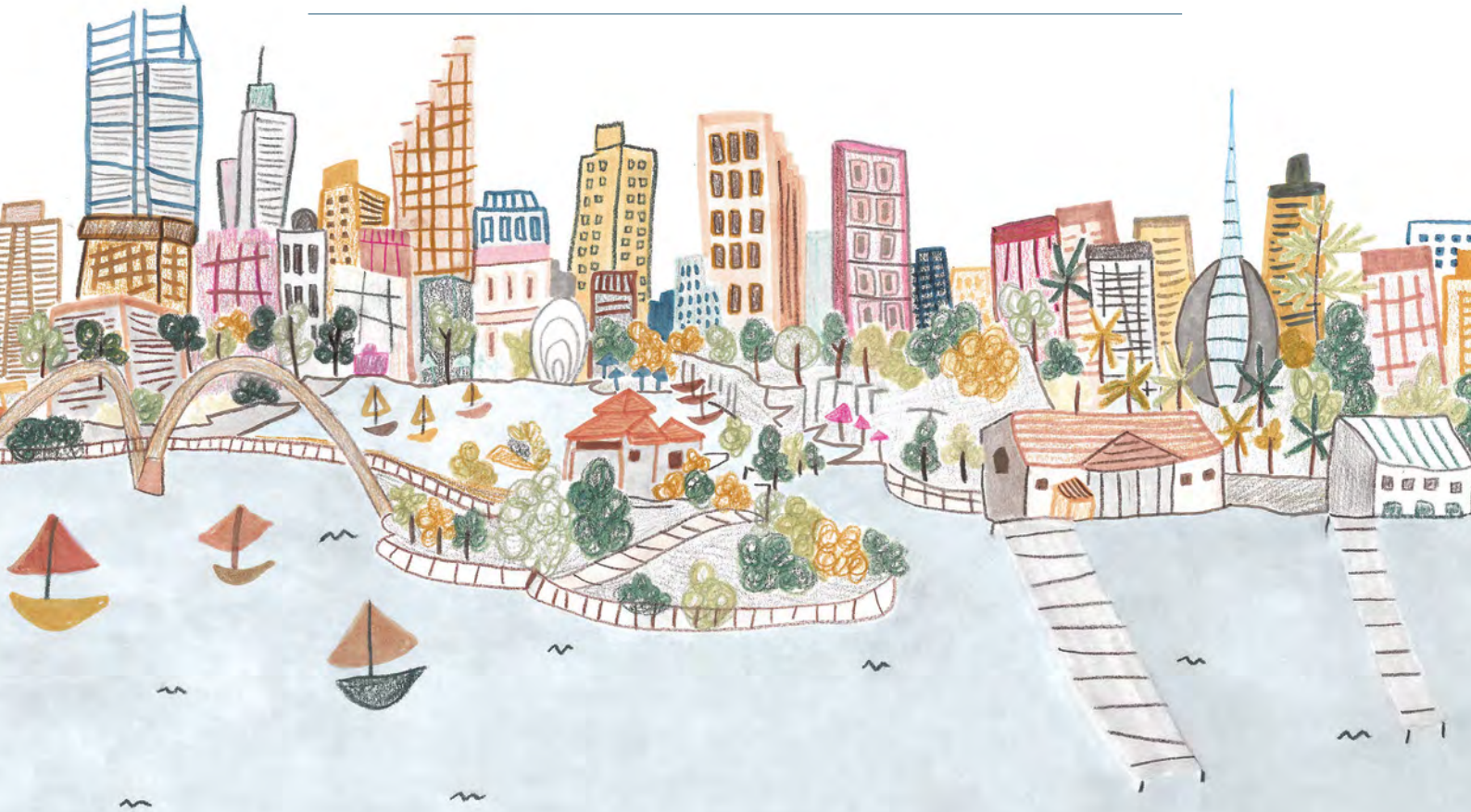
47TH ANNUAL SCIENTIFIC MEETING OF THE AUSTRALASIAN SOCIETY FOR IMMUNOLOGY

2-6 DECEMBER 2018 PAN PACIFIC HOTEL PERTH, WESTERN AUSTRALIA



SPEAKERS

Fiona Powrie
University of Oxford, UK

Ido Amit
Weizmann Institute of Science, Israel

Ellen Rothenberg
California Institute of Technology, USA

Andrea Schietinger
Memorial Sloan Kettering, USA

Luke O'Neill
Trinity College Dublin, Ireland

Graham Pawelec
University of Tuebingen, Germany

Paul Klenerman
University of Oxford, UK

Yuval Rinkevich
Helmholtz Zentrum München, Germany

Cecile King
Garvan Institute, NSW

Sharon Lewin
University of Melbourne, VIC

Alistair Forrest
Harry Perkins Institute of Medical Research, WA

Kate Schroder
University of Queensland, QLD

Mimi Tang
Murdoch Children's Research Institute, VIC

Axel Kallies
Walter and Eliza Hall Institute, VIC

Stuart Tangye
Garvan Institute, NSW

Meredith O'Keeffe
Monash University, VIC

Ruth Ganss
Harry Perkins Institute of Medical Research, WA

www.asi2018.org

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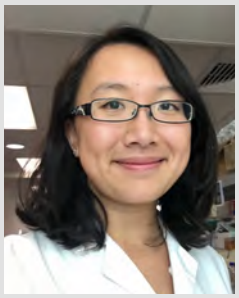
Ashraful Haque

EDITORIAL

Immunology is Passion to the core.

ANGELICA LAU

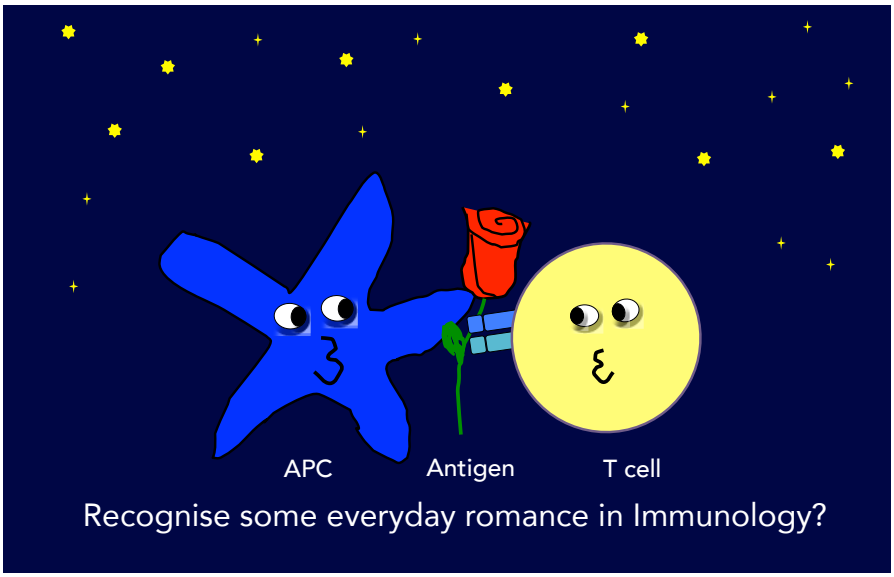


The late theoretical physicist Stephen Hawking once quoted, "Science is not only a disciple of reason but, also, one of romance and passion." One of the highlights in pursuit of a career path in Immunology is the opportunity to meet other passion-driven immunologists around the world, to learn, to collaborate and to understand why things happen they way they do, and how to ultimately transform the unknowns with our own hands into benefits toward improving human health.

In this month's newsletter, we are in luck to learn of two extraordinary leaders and mentors in Australasian Immunology who are truly examples of igniting this passion and bringing immunology research to the world of medicine. Our very own gem Dr. Jacques Miller, who discovered the thymus and its function, was announced to be joint recipient of the prestigious 2018 Japan Prize alongside American Immunologist Dr. Max Cooper in January. In addition, I was particularly inspired by the biography featuring ASI Life Member Emeritus Professor Jennifer Rolland, who led an incredible journey during her career in Immunology. These are only glimpses to remind us how fortunate we are and how proud we should be as part of the community of immunologists in the Australasian region.

Nonetheless, as the season for grant applications cools down, a sense of relief and uncertainty from this waiting game made me recall the 2018 Winter Olympics that took place a month ago. I was reminded how a career in Science is very much like dedicating your life to achieving the best in world-stage Olympic sports.

No doubt it is the time that was spent, the resilience, perseverance and a bit of luck that might eventually lead one to glory. For us immunologists too, while we can learn how to climb Mt. Everest from the Internet (really…), climbing this ever so steep, slippery mountain of scientific research while "sliding around" on funding is anything but easy. Good thing is, one of the most



ANTIGEN PRESENTING CELL (APC) LOVES PRESENTING TO T CELL.
IN THE SPIRIT OF UPCOMING DAY OF IMMUNOLOGY (APRIL 29TH).

SAME MOUNTAIN BUT DIFFERENT PERSPECTIVE. SOURCE: IMAGE ADAPTED FROM WWW.SWITCHBACKTRAVEL.COM

outstanding skills of being a great scientist is to be able to fail ten-thousand times and while never giving up until the question you're passionate can is resolved in some way. In this issue, one thought-provoking article by Ashraful Haque highlighted that amongst the fantastic science that we are passionate about, not to forget to be human, recognise our vulnerabilities and come up with a plan D when you start sliding down that funding slope!

Perhaps it is not really about how to climb the same mountain everyone climbs, rather which mountain do you choose to climb?

Which colour goggles will you choose to wear when you climb this slope?

I hope newsletter this will bring you some insights, inspirations and motivation to do some more exciting and productive science! I look forward to seeing many more submissions into the newsletter in the near future!

E: newsletter@immunology.org.au

Perhaps it is not really about how to climb the same mountain everyone climbs, rather which mountain do you choose to climb?

HOW TO CLIMB A YOUR "MOUNT EVEREST". SOURCE: IMAGE ADAPTED FROM WIKIHOW TO CLIMB MOUNT EVEREST. LICENSE: CREATIVE COMMONS.

TREASURER'S REPORT

KIM JACOBSON

The full financial report of ASI for the year ended 31st July 2017 can be accessed via the ASI member's portal on the society website.

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PRESIDENT'S REPORT

SUSANNE HEINZEL, ASI president

Following on from the hectic activities that rounded up the end of the ASI year, the first few months of the new year are often the 'slow' time for ASI. People get back from their well-deserved holidays and, at least in Australia, have to jump straight into the grant and fellowship writing season.

Following on from the hectic activities that rounded up the end of the ASI year, the first few months of the new year are often the 'slow' time for ASI. People get back from their well-deserved holidays and, at least in Australia, have to jump straight into the grant and fellowship writing season.

The year started well for ASI, the transition of our journal ICB and CTI to the new publisher Wiley went as smoothly as one could hope for. The journals are in great hands at Wiley and our editors-in-chief Anne La Flamme and Rajiv Khanna and their teams. I'd like to take this opportunity again to remind everybody of some of the benefits to publish in these journals. The first author of the *Publication of the Year* receives a guaranteed speaking slot at our annual conference, and that comes with a nice prize money and free rego at the meeting. The only requirement to be eligible: the *first author must be a member of ASI* – it doesn't get much easier than that! Additionally we currently reimburse $1000 (AUD) of the publication costs for published articles that have been submitted to CTI between 1st Jan and 30th June 2018. Again eligibility is based on ASI membership. Please see our website for details.

We've had some busy interactions with a couple of other societies and there is a lot of interest for ASI representation at other society meetings. The invitations for ASI representation at meetings internationally are nice demonstrations for the appreciation that the international community has for our scientific community and the research done in Australia and NZ.

The selection of ASI members presenting at the *Singaporean Society for Immunology Symposium and at the annual meeting of the Immunology Society of Brazil* is underway (and will have been announced by the time this goes to print). It is a great opportunity for the rising stars of ASI and the other societies, and for all of us to hear more about the work being done overseas.

Closer to home, we are also working closely together with our clinical colleagues and friends at our sister society ASCIA to bring the two societies and their members closer together. This entails discussions and plans for combined activities and representations at each other's meetings.

Looking ahead I'm looking forward to the development of the SIGs and the $200k initiatives.

The review of the proposals of the special interest groups is underway. Some of the proposals were outstanding and I'm looking forward to much activity and busy interaction of the new and revived SIGs. The working group will provide more information in the not too distant future.

We're also reviewing the proposals for the $200k initiatives. It was interesting to see that there were some common themes that will certainly be addressed. However we received a lot fewer proposals than we had thought. I thought we would be flooded with proposals and opinions, but in the end only got a handful of proposals (and a few more opinions). However it's not too late, I'm still keen to hear from membership how you think the money would be best spent to advance immunology and serve our members.

And I'd like to close this first President's column of the year with **congratulations to Jacques Miller**, who has been awarded the Japan Prize 2018 for the 'Discovery of B and T lymphocyte lineages and its impact on understanding disease pathology and therapeutic development'. Well done, Jaq! ■

SECRETARY'S REPORT

ELISSA DEENICK

Tips on Travel Awards and Bursaries

The start of the year has flown and suddenly we find ourselves in March already, which means that its time for the round of **International Travel Awards** for travel July to December 2018 and **Senior Travel Awards** for travel Jul 2018 to Jun 2019. I'm always excited about giving out these awards and providing the opportunity for some of our members to travel to overseas conferences and labs to share the great work that they're doing. I know that some of our new or more junior members may not be as familiar with these awards or as experienced with putting an application together so for this secretary report I thought it might be helpful to give some tips about preparing your applications for this year.

You may notice that we've redone our ASI Awards page (http://www.immunology.org.au/awards-and-bursaries/awards/) on the website to hopefully make it clear when application rounds are and what awards you might be eligible for.

I'm always excited about giving out these awards and providing the opportunity for some of our members to travel to overseas.

You can click through from there to see specific information on the International Travel awards for postdocs or postgrads. This includes the assessment criteria for the ITAs that are: *Scientific excellence and clarity of abstract, publication record, recommendation of supervisor*, and the likely *professional benefits* of the *proposed travel*.

So based on those criteria here are some (fairly obvious) tips to make your application as strong as possible:

- **Always include an abstract** – often the ITA application goes in before the abstract deadline for your meeting but you should still include an abstract in your application even if it may change slightly by the time you submit for the meeting.
- **Publication record** – your publication record is your publication record so you can't change this but make sure you highlight your own name in each publication by underlining or bolding so you make it easy for the assessor to see your contribution. Also be aware that the publication record will be judged "relative to opportunity" so we do take into account how junior or senior you are.
- **Recommendation of supervisor** – this shouldn't just be a "I support the application" statement but should discuss your ability as a scientist and support your claims of "likely professional benefit"
- **Professional benefits** – while we all know that going to an overseas conference is important for scientists for these applications we're generally looking for something more than just conference attendance. For example, if you're just finishing your PhD this may include a tour of labs looking for postdoc opportunities or if you're a postdoc it may include visiting the labs to build collaborations or learn techniques. And we want to know that you're serious about these visits so you should have contacted these people already to start planning even if you haven't locked in the exact dates yet.
- **And as always read the instructions carefully!** For example, if your application is meant to be uploaded as a PDF don't upload a word document and make sure you name your application file correctly.

Updates and minutes from 2017 AGM

The 2017 annual general meeting was held last year at the annual meeting in Brisbane. At the end of this newsletter, we have summarised the meeting outcomes to provide clarity to all ASI members of the happenings during this meeting. ASI members can log into the society website to access the full minutes and further reports from the AGM. ■

THE IUIS CORNER

J. ALEJANDRO LOPEZ

Here is a brief update of the news coming from IUIS. If you wish to follow the news coming directly from the IUIS, visit the www.iuisonline.org.

IUIS 2019 BEIJING

17th International Congress of Immunology

October 18–23, 2019 | Beijing, China

IUIS 2019 Beijing (The 17th International Congress of Immunology) will take place at the Chinese National Convention Centre in Beijing, from October 18 - 23, 2019. The Scientific Program Committee will be chaired by Xuetao Cao and Vijay Kuchroo will serve as vice-Chair.
Stay tuned!

IMPORTANT DATES:

Early Registration opens November 2018

Abstract Submission opens September 2018

iuis2019.org

IUIS NEWSLETTER

The latest issue of the IUIS newsletter is available from this link

https://mailchi.mp/kit-group/iuis-online-and-around-the-world-1081889

UPDATED IEI CLASSIFICATION TABLES

The *IUIS Inborn Errors of Immunity Committee (IEI)* maintains a list of immunologic disorders. Since the 1970s, a curated list has been maintained to ensure a vetted nomenclature and a consistent approach. Previously called the Primary Immunodeficiencies Committee (PIB), it was voted to rename itself at the last meeting in February last year. At that same date, the group began the work of updating the list of disorders, formally listing 354 genes. Historically, the list has been published as a journal article and the current edition is now published in the *Journal of Clinical Immunology* in two formats: a clinically oriented phenotype categorization and the complete list as a formal document demonstrating trends over time. This list is now available for direct download on the IUIS website. It can be used to design sequencing panels, ICD code lists and diagnostic algorithms. The download list also allows sorting by gene name and inheritance when opened using a database application such as Excel.

THE IUIS COUNCIL IN HAMMAMET, TUNISIA.

IUIS COUNCIL MEETINGS

Hammamet, Tunisia Dec 2017

On December 3rd the IUIS Council met in Hammamet, Tunisia, on the occasion of the congress of the Federation of the African Immunological Societies. The Council was preceded for the first time by a meeting of Committee Chairs. All members of the ASI are welcome/encouraged to contribute and actively participate in the IUIS committees, which are the core of the international contribution of the IUIS to the discipline.

Following is a list of current working committees of the IUIS:

CIC - Clinical Immunology Committee
Chair: R. E. Schmidt

EDU - Education Committee
Chair: Dieter Kabelitz

GEC - Gender Equality and Career Development Committee
Chair: O. Finn

IEI - Inborn Errors of Immunity Committee
Chair: Kathleen Sullivan

ITH - Immunotherapy Committee
Chair: C. Rudd

NOM - Nomenclature Committee
Chair: M. van Zelm

PUB - Publication Committee
Chair: Foo Liew

QAS - Quality Assessment and Standardization Committee
Chair: Luis Eduardo Coelho Andrade

VAC - Vaccine Committee
Chair: U. Wiedermann-Schmidt

VIC - Veterinary Immunology Committee
Chair: G. Entrican

AUSTRALIAN RESEARCHER HONOURED WITH JAPAN PRIZE FOR WORLD CHANGING DISCOVERY – DR JACQUES MILLER

JAPAN PRIZE FOUNDATION

On Janurary 30, the Japan Prize Foundation announced that our very own Australian Dr Jacques Miller along with American Dr Max D. Cooper, to be laureates of the Japan Prize in the field of Medical Science and Medicinal Science for their discovery of T and B lymphocytes in mediating immune protection against pathogens. The Japan Prize is one of the world's most prestigious awards given to scientists who have helped to make significant advances in the fields of science and technology worldwide. Yoshio Yazaki, President of The Japan Prize Foundation, believes that the winners have significantly benefitted the world with their discovery, "Dr Miller and Dr Cooper have been chosen to be awarded this prize for the momentous part they have played in improving the world we live in. Science and technology have the power to change our lives and the Japan Prize Foundation wants to acknowledge those people who have made a difference to the peace and prosperity of all mankind."

WINNERS OF THE PRESTIGIOUS JAPAN PRIZE (FROM LEFT TO RIGHT): DR. AKIRA YOSHINO, DR. MAX D. COOPER AND DR. JACQUES MILLER

Miller and Cooper's discovery established the basic concepts underlying modern immunology and served as the driving force behind advances in immunotherapies which have helped in saving lives across the globe.

Miller and Cooper's discovery established the basic concepts underlying modern immunology and served as the driving force behind advances in immunotherapies which have helped in saving lives across the globe. It also aided in the foundations of T cell biology research, the findings of which are being used to create treatments for blood cancers such as leukaemia and lymphoma. In addition, their discovery has enabled researchers to advance their understanding of autoimmune diseases, allergies and chronic inflammatory diseases and treatments of these conditions.

Dr Miller says he is honoured to be recognised for his discovery with such a significant award, "I am very privileged to have been

selected as a laureate of the Japan Prize. It has been my life's work to understand how the body responds to infection and cancer and I am pleased to have been recognised for the contribution that the work of Dr Cooper and I has made. It is my hope that our work will provide further opportunities to improve human health."

The Japan Prize Foundation will be hosting an award ceremony on April 18, 2018 in Tokyo to honour the 2018 Laureates. An award of 50 million Japanese yen (approximately AUD $550,000) along with a certificate and commemorative gold medal will be awarded to each of the two fields in 2018.

Along with Dr Miller and Dr Cooper's award, Dr Akira Yoshino will be awarded the Japan Prize in the Resources, Energy, Environment and Social Infrastructure field for his development of lithium ion batteries. This battery type is used regularly to power smartphones and laptops. It is also being used in electric vehicles to reduce emissions of environment-impacting substances.

The Japan Prize is highly competitive with over 13,000 nominators strictly comprised of prominent scientists and researchers from across the globe. Every November, the Japan Prize Foundation announces two specific fields which will be awarded in two years' time and opens nominations. A selection committee then conducts a rigorous evaluation of candidates not only for their outstanding scientific achievements but also for significant advancement towards world peace and prosperity.

About the Japan Prize Foundation
The Japan Prize is awarded to scientists and researchers, regardless of nationality, who have made significant contributions to the progress of science and technology, as well as society, to further the peace and prosperity of mankind. While the Prize encompasses all fields of science, two fields are designated for the Japan Prize each year. Since its inception in 1985, the Japan Prize Foundation has awarded the Japan Prize to 91 Laureates from 13 countries. For additional details about the Japan Prize Foundation and its activities, please visit http://www.japanprize.jp/en ■

DR. JACQUES MILLER

EMERITUS PROFESSOR JENNIFER ROLLAND, ON BECOMING A LIFE MEMBER OF ASI

PROFESSOR ROBYN E O'HEHIR AO FAHMS
Professor of Allergy, Clinical Immunology & Respiratory Medicine, Central Clinical School, Monash University

When asked about the highlight of her long involvement with ASI, Jenny replied "without a doubt, being made a Life Member and receiving the Derrick Rowley medal for membership of the ICI2016 organising committee". Following several years of planning, and despite some challenging moments, the committee delivered on its goals of international recognition, scientific excellence and fiscal responsibility, with appropriate diversity and strong engagement by younger members. This triggered reflection by Jenny on her earliest involvement with ASI at the inaugural Scientific Meeting in Melbourne in 1971. Having just completed her PhD at the host institute, Jenny had her first involvement with immunology conference organisation. She recalls inspirational talks by the immunology 'heavies' of the day, debating robustly the emerging concepts of autoimmunity, cancer immunity and lymphocyte subsets.

Jenny has been an engaged member of the evolving ASI community, regularly attending and presenting at annual scientific meetings, serving as Victorian State Councillor (1987-1990) and as convenor or member of various organising committees for Scientific Meetings. She saw the instigation of successful state branches of ASI and served on the IgV committee (1988-1993). The IgV meetings at Mt Buffalo Chalet around this time typified the continuing ASI hallmark of scientific excellence, strong debate and good fun.

In reflecting on her research and academic career in immunology, Jenny recalls many wonderful opportunities that she was able to grasp. As a fresh BSc graduate from the University of Melbourne, she was recruited to the new graduate research student program at the Monash University Department of Pathology (now named Immunology and Pathology), on the Alfred Hospital campus. She completed her PhD with Professor Richie Nairn, the Foundation Department Chairman, a strict disciplinarian but with a vision for the growth of immunology as a clinical discipline and exciting growth area of biomedical research. She benefitted from his firm guidance in scientific writing and career planning. Richie Nairn's technical passion was fluorescence microscopy, and

EMERITUS PROFESSOR JENNIFER ROLLAND

together Jenny and he worked to optimise filter combinations for different fluorochromes. With the advent of flow cytometry, the Monash Department became an Australian pioneer in this technology. Jenny's PhD studies included establishing membrane immunofluorescence techniques for characterising the first crude anti-lymphocyte sera for immunosuppression and targeting lymphoid malignancies. What a revolution in immunology has unfolded in this area since then!

THE ICI2016 ORGANISING COMMITTEE TOGETHER WITH STAFF OF THE CONFERENCE ORGANISER COMPANY, ARINEX. ASI MEMBERS FROM LEFT, CHRIS GOODNOW (ASI PRESIDENT AT THE TIME), IAN BARR (TREASURER AND CHAIR, SPONSORSHIP AND EXHIBITION COMMITTEE), ANDREW LEW (VICE-PRESIDENT AND CHAIR, SCIENTIFIC PROGRAM COMMITTEE), JOSE VILLANDANGOS (PRESIDENT), JENNY ROLLAND (SECRETARY AND CHAIR OF THE CLINICAL PROGRAM COMMITTEE) AND DALE GODFREY (PAST ASI PRESIDENT).

Jenny managed the Department's Diagnostic Immunology service for the Alfred and other hospitals for many years, working with Ban Hock Toh and other clinical immunologists to optimise novel techniques for diagnosing autoimmunity, immunodeficiencies and immunomalignancies with appropriate quality control, lab safety, reporting, and computerisation of records. As these procedures became more mainstream and commercialised, the service was incorporated into the Alfred's Pathology service. Jenny, with others, founded the successful Victorian Diagnostic Immunology Discussion Group of the Australian Institute of Medical Scientists (AIMS), and played a key role in establishing and examining for the Fellowship in Immunology for the AIMS. She became an immunology laboratory assessor for NATA in the accreditation of pathology laboratories. Meanwhile, the ASI community had embraced the emerging discipline of clinical immunology and a Clinical Immunology Group of ASI was formed in 1983 (see previous reflections in ASI newsletters by Ian Mackay and Keven Turner). As a scientist in the diagnostic immunology arena, Jenny joined this group, subsequently serving on the management committee and working parties (1986-1990). Founding membership of the new Australasian Society of Clinical Immunology and Allergy (ASCIA) followed, with the merger of the Clinical Immunology Group of ASI and the Australian College of Allergists in 1990.

Jenny's PhD studies included establishing membrane immunofluorescence techniques for characterising the first crude anti-lymphocyte sera for immunosuppression and targeting lymphoid malignancies. What a revolution in immunology has unfolded in this area since then!

Returning to those early days and opportunities, Jenny delivered the Department's first BSc (Hons) course in 1972 with three students, including notable ASI member Richard Boyd. She was pivotal in developing the Department's immunology courses at all levels. Imparting the excitement of new insights and applications of basic and clinical immunology to undergraduate students has never been difficult she says. Jenny has enjoyed also supervision of many postgraduate students and notes that reconnecting with past students at ASI meetings is a particular delight.

JENNY AND RICHIE NAIRN REVIEW A SPECTROPHOTOMETER TRACE ASSESSING FLUORESCENCE MICROSCOPE FILTER PERFORMANCE. C1982

ATTENDEES AT A 'FLINDASH' MEETING, AN ENJOYABLE INTERACTION BETWEEN MONASH IMMUNOLOGY AND FLINDERS MEDICAL CENTRE IMMUNOLOGY FOR SEVERAL YEARS. LEFT TO RIGHT: JIM MCCLUSKEY, FRANK ALDERUCCIO, JUDY CALLAGHAN, JOHN BRADLEY, BAN HOCK TOH, ANDREW BROOKS, JENNY ROLLAND

In the research arena, path-changing opportunities also arose. In 1989, Departmental colleague, Jim McCluskey was invited by the late Bruce Knox of the Botany Department, University of Melbourne, for help in studying the T-cell response to grass pollen allergens characterised at the molecular level by his lab. Jim suggested to Jenny that her new PhD student Bella Blaher should undertake this project. She agreed, with Jim as a joint-supervisor, and never looked back! She has enormous gratitude for Jim's wisdom and mentorship. With Jim's rigorous guidance in T-cell culturing and cloning, Bella was soon growing T-cell lines and eventually clones. A scientific highlight for Jenny would surely be their first spike of proliferation to a single ryegrass allergen peptide by a T-cell clone derived from a polyclonal T-cell line. Full T-cell epitope mapping of the two major allergens of ryegrass pollen followed, with modelling of a T-cell epitope peptide anchoring into MHC class II.

Around this time, our paths crossed. I was generating house dust mite specific T-cell clones to characterise the human cellular response to allergens, at St Mary's Hospital/University of London and regularly visited Australia for scientific meetings. Jenny and I liaised on T-cell culture methodologies and data. Then with my appointment as Professor/Director of the Department of Allergy, Asthma and Clinical Immunology at Monash University/Alfred Hospital in 1996, Jenny and I cemented our strong and highly successful collaboration and friendship which endures to this day. We share a high attention to detail, strategic planning and careful preparation of presentations, manuscripts and funding applications. Together we established a productive Allergy laboratory research group comprising research scientists, postdoctoral fellows and postgraduate students supported by many excellent clinical allergists and research nurses. The importance of well-phenotyped subjects (patients and controls) for human studies is immeasurable.

Our research expanded to T-cell epitope mapping of other clinically important allergens of grass pollens, natural rubber latex and more recently peanut, all with a vision for developing safer and effective allergen-specific immunotherapy. The research has been supported by NHMRC program and project funding, the Co-operative Research

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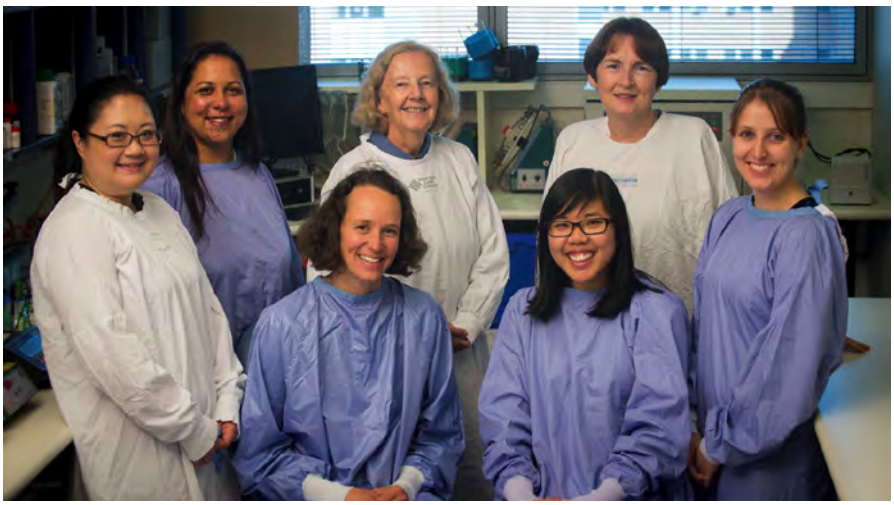


THE ALLERGY RESEARCH GROUP AT MONASH UNIVERSITY DEPARTMENT OF IMMUNOLOGY AND PATHOLOGY, HEADED BY ROBYN O'HEHIR AND JENNY ROLLAND.

Centre (CRC) program and some philanthropic funding, including Ilhan Food Allergy Foundation. Characterisation of new allergens and investigation of cross-reactivity often with unexpected sources has been another clinically important arm of our research programs. In collaboration with Andreas Lopata (James Cook University), we are investigating shellfish allergens with immediate application to patient advice

When asked for advice on research career planning, she stresses the importance of forward planning for building a balanced portfolio to meet promotion or job application requirements.

on the effects of cooking and cross-reactivity between shellfish groups. The combination of Jenny as a basic scientist and myself as a clinician scientist provides a perfect platform for these translational studies and has led to a strong publication and patent portfolio. A research highlight was the successful CRC for Asthma (1999-2006), renewed as the CRC for Asthma and Airways (2007-2012). Another source of pride is the recent formation of a spin-out company, Aravax Pty Ltd, to pioneer our peptide immunotherapy for peanut allergy and, with competitive funding from the Medical Research Commercialisation Fund (MRCF) and NHMRC, the progression to a first-in-human phase I clinical trial.

Recognising the importance of mentors and role models in her research and academic career, Jenny has enjoyed participating in the university and school mentorship programs for women as well as ensuring an 'open door' for colleagues and students, especially when Deputy/Acting Head of Department. When asked for advice on research career planning, she stresses the importance of forward planning for building a balanced portfolio to meet promotion or job application requirements. Accepting roles on committees, reviewing grants and journal manuscripts strengthens a CV, are essential for maintaining integrity of these processes and are an excellent way to obtain insight into strategies for success. However, these activities must be kept in balance with meeting research targets.

Jenny views her career in immunology as fortunate in so many ways. She has been excited to play a part in the exponential unfolding of knowledge of the intricacies of the immune system leading to improved diagnosis and treatment of immune disorders. At Monash and in the wider immunology community, opportunities arose for her to serve on a wide range of research and education committees, to show leadership, and to establish

A scientific highlight for Jenny would surely be their first spike of proliferation to a single ryegrass allergen peptide by a T-cell clone derived from a polyclonal T-cell line. Full T-cell epitope mapping of the two major allergens of ryegrass pollen followed, with modelling of a T-cell epitope peptide anchoring into MHC class II.

highly successful research collaborations. Attendance at national and international conferences presents new horizons, not only in immunology but in world travel and life-long friendships. She is honoured that following retirement, she has been designated Emeritus Professor at Monash University, enabling her to continue her research collaboration while finding more time for bushwalking, birdwatching and environmental conservation activities with her partner Euan, all so valuable in her ability to maintain that important work/life balance. ■

JENNY WITH PARTNER EUAN MOORE (LEFT) AND PHIL HANSBRO (CRC FOR ASTHMA COLLEAGUE AND FELLOW BIRDING ENTHUSIAST) LOOKING VERY PLEASED WITH THEMSELVES AFTER SPOTTING THE LAST SRI LANKAN 'ENDEMIC' ON THEIR LIST. MAINTAINING THAT IMPORTANT WORK/LIFE BALANCE!

DAY OF IMMUNOLOGY – NEW LOGO

DR GABRIELLA KHOURY
Coordinator of Day of Immunology, Australia and New Zealand

The International Day of Immunology occurs every year on the 29th of April. The primary goal of the day is to promote immunology to the public and encourage a better understanding of the importance of the immune system.

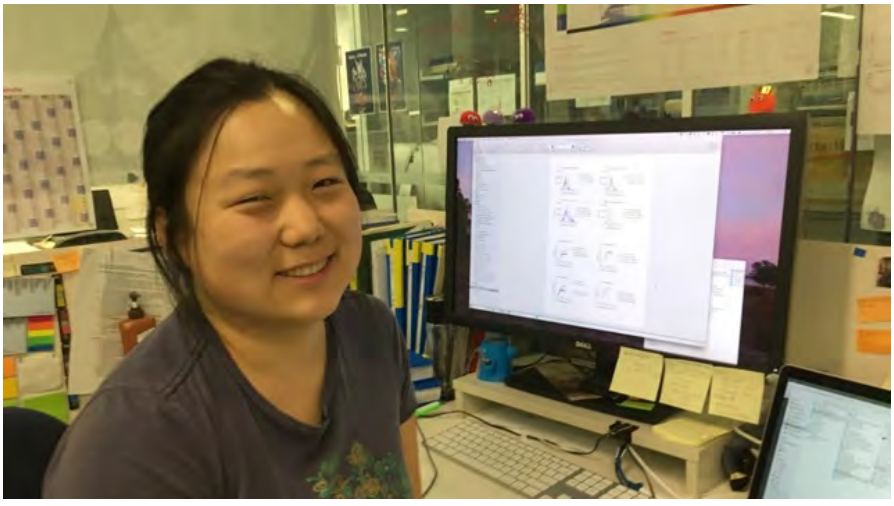
With an expanding number of events being held in both Australia and New Zealand it was important to create a sense of unity with a new logo. This became a perfect opportunity to invite our creative members to submit their ideas.

In late 2017, I held a competition and the brief was to design a logo that encapsulated the primary objective of the Day of Immunology- sharing immunology with the public. We had multiple entries and the image that stood out the most was a submission by Jie Zhou from The Walter and Eliza Hall Institute of Medical Research and the University of Melbourne.

"The image represents both 'receptors/antibodies on a cell membrane' and 'people holding hands across the world'. I hoped to convey the idea of getting people together, with arms raised in health and vitality, over an immunology theme." Jie Zhou.

Whether you are a B-cell or T-cell immunologist (or other) you

NEW OFFICIAL LOGO OF THE INTERNATIONAL DAY OF IMMUNOLOGY 2018.



LOGO COMPETITION WINNER JIE ZHOU FROM THE WALTER AND ELIZA HALL INSTITUTE OF MEDICAL RESEARCH AND THE UNIVERSITY OF MELBOURNE.

can appreciate that Jie has truly captured the theme of Day of Immunology.

After some design discussion and selecting colours to match the ASI's branding, Jie's design has evolved into an amazing logo. Down to the finer details of having Australia and New Zealand in the centre of the globe, the logo has captured a sense of unity.

The new logo will be rolled out across Australia and New Zealand during our 2018 events. It will be used for Day of Immunology, flyers, merchandise and other resources.

I'd like to congratulate Jie and thank the other members who submitted entries. I'm really excited by the final end product and can't wait to see the logo making an appearance at this year's events!

ORIGINAL ENTRY OF DAY OF IMMUNOLOGY LOGO FROM JIE.

For those of you, who are interested in participating in one of the many events being held in 2018, please email me info@dayofimmunology.org.au ■

INTRODUCING AMY PROSSER

Winner of the 2017 BD Science Communication Award

I was fortunate to win this award in a very strong field of other researchers, I think there may have been a few Game of Thrones fans in the judging panel that pushed me over the edge! I'm currently in the second year of my PhD, with my project focussing on the rejection of solid organ transplants, more specifically on the contribution of tissue-resident lymphocytes to tolerance and rejection. As I was explaining my project to some non-researcher friends, I came up with the analogy of the immune systems present in the donor organ and the recipient patient fighting each other like 2 armies. As I'm bit of a GoT tragic, I ended up having a bit of fun with it and used the same analogy in the talk I gave in the Science Communication session at ASI 2017.

I worked for many years as an Research Assistant before the stars aligned and I was presented with the opportunity to do my PhD in the cutting-edge area of tissue-residency and microsurgical transplantation with my supportive and enthusiastic supervisors Michaela Lucas, Axel Kallies, Silvana Gaudieri and Gary Jeffrey. I jumped at the chance and haven't looked back since!

Although transplantation research is often neglected in many immunology conferences and isn't the biggest field in Australia, I find it fascinating that we can survive some terminal illnesses by replacing one of our own organs. Unfortunately, there are many misunderstood facts about organ transplants, including that they aren't a lifelong cure. Our Immunology and Microsurgery Group (IMG), headed by Michaela, is aiming to change that.

Our small team is associated with clinicians of the Western Australian Liver and Kidney Transplant Service, giving us a unique position to access human samples and future translation of our findings to patients. We have several extremely talented microsurgeons who perform amongst others, liver and heart transplants in mice, allowing us to track immune responses to the new organ post surgery. There are so many questions surrounding the immunology and appropriate clinical interventions in organ transplantation, but we are tackling them in a systematic manner. We're currently characterising the immune response and the role of specific tissue-resident cell subsets in our models. In future, we will expand these to identify potential targets for the prevention of rejection and optimisation of immunosuppressive therapies.

Amy Prosser
The University
of Western Australia,
Amy.prosser@research.uwa.edu.au

Primary supervisor: A/Prof
Michaela Lucas ■

JUST A BIT OF GAME OF THRONE MIXED IN WITH ORGAN TRANSPLANTATION. AMY PRESENTING AT THE 2017 BD SCIENCE COMMUNICATION SESSION.

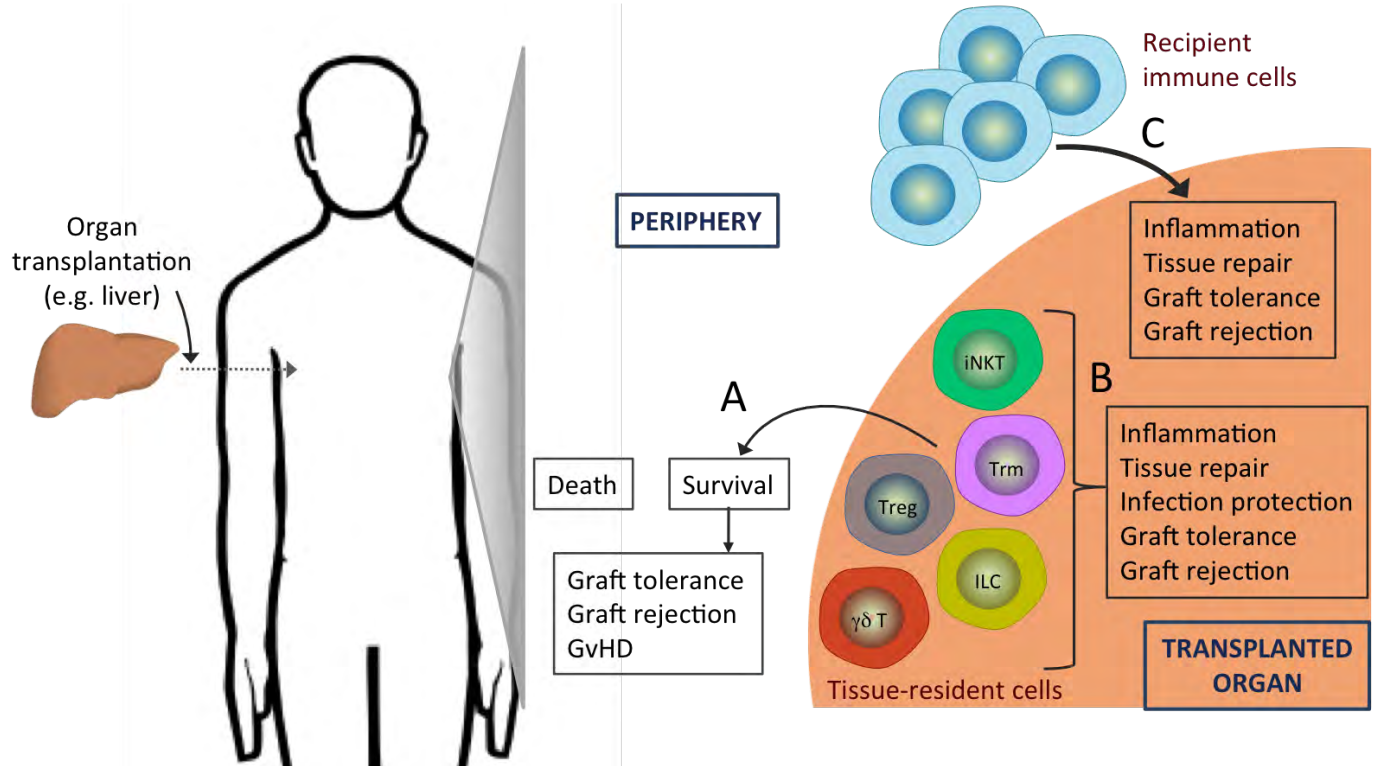


Figure 1: Predicted fates of tissue-resident cells following solid organ transplantation can be either advantageous or detrimental to graft survival. Transplantation of a solid organ involves simultaneous engraftment of the target tissue and tissue-resident lymphocytes. Donor-derived immune cells may either egress from the tissue (A), or remain in situ (B). Egress may result in cell death or survival, which can induce tolerance or rejection of the graft, or graft versus host disease (GvHD). Donor cells may protect the organ from infection, contribute to tissue repair, and/or induce tolerance. Alternatively, donor-derived cells may contribute to organ damage, chronic inflammation, furthering tissue injury and organ rejection. Infiltration by alloreactive recipient lymphocytes (C) may initiate inflammation and graft rejection. Recipient lymphocytes may also establish tissue-residency and contribute to tolerance and tissue repair.

Prosser, A., Kallies, A. and Lucas, M. (2018) "Tissue-resident lymphocytes and solid organ transplantation: innocent passengers or the key to organ transplant survival?" Transplantation 102(3):378-386. ■

FINDING THE FUN IN RESEARCH

Jacques Miller Senior Travel Award Recipient 2017
ASHRAFUL HAQUE

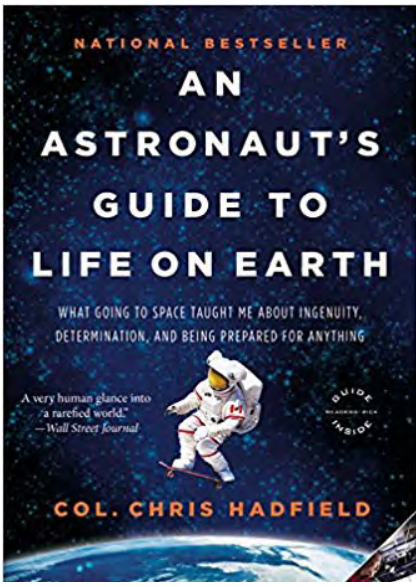
I never wanted to be an immunologist. When I finished my Bachelor's degree in 1997, my world revolved around the rock/pop bands Guns 'N Roses, Radiohead, Blur and the heavy metal band, Megadeth. To paraphrase a Primal Scream sample: I wanted to be free to do what I wanted, and I wanted to have a good time! I played electric guitar loudly in a band, and enjoyed performing before sparse audiences in pubs and bars around Camden Town and Kings Cross in London. At school my passion had been Latin, Ancient Greek and Mathematics, but the rigidity of the curriculum pushed me towards maths and physics. During my Natural Sciences degree at Cambridge University, I soon forgot Special Relativity and became entranced instead

ASH VISITING CRICK MEMORIAL

by cellular biology, biochemistry and further adventures in guitar effects. After a year out in Bangladesh (playing wheelchair basketball at the Centre for the Rehabilitation of the Paralysed, Dhaka, and taking exercise classes for patients at the Pabna Mental Hospital), I came back to London bereft of direction. Then one afternoon I met Gordon Dougan, aka "Doog" and he offered me a PhD at Imperial College. They were heady days full of electric guitars and deep discussion on bacterial pathogenesis. The fear of PhD failure was always with us, I remember; but there was also an unmistakable sense of academic freedom and fun.

I learnt then, as I am aware now, for all my students and post-docs, that you need a Plan B!

I was lucky to get a first post-doc at the London School of Hygiene & Tropical Medicine, with Dr Greg Bancroft (perhaps because I guzzled 2 Red Bull caffeine drinks before the interview). As far as I was concerned it was an amazing place to work because the most famous guitar shops in London were a stone's throw away! Anyway, I worked hard on a bacterial pathogen called Burkholderia pseudomallei. Inhalation of just a few bacteria can cause lethal sepsis within days! During this time, I saw lots of other post-docs getting big



"AN ASTRONAUT'S GUIDE TO LIFE ON EARTH" – THE BOOK THAT INSPIRED ME

papers in Nature Immunology, Immunity and J Exp Med, and I felt that I would never amount to much. Instead, I felt that if I continued to work really hard (while not giving up my Fender telecaster guitar), I might fool someone into giving me the next job. Without any career planning I was slowly morphing into a T-cell immunologist. Eventually, I was recruited by Chris Engwerda to join his Immunology and Infection lab at QIMR in Australia. I was lucky to be mentored through the process of NHMRC applications by Chris. I was awarded a New Investigator grant in 2010, when success rates were at a hopeful ~30%, not the motivation sapping ~10% that our community is suffering these days. My first son arrived in June 2010, and then

HAQUE LAB RETREAT

a shock: the sleep deprivation was debilitating. Although we attended government-funded sleep clinics, the experience nearly sent my partner and I insane. But somehow, I managed to write a NHMRC grant and a CDF1 fellowship and amazingly they were both funded. With 2 CIA grants and a CDF1, I foolishly started to think that research, not music, was a sound career choice for me, and that success was just a question of working hard. Soon I was in for an awakening - after the birth of our 2nd son, the next 3 years of my research career hit an all-time low period. None of my 7 NHMRC grants/fellowships were funded. Pressure began to mount on our family, and by 2015 I began

"ENJOY THE PROCESS" - ASHRAFUL HAQUE

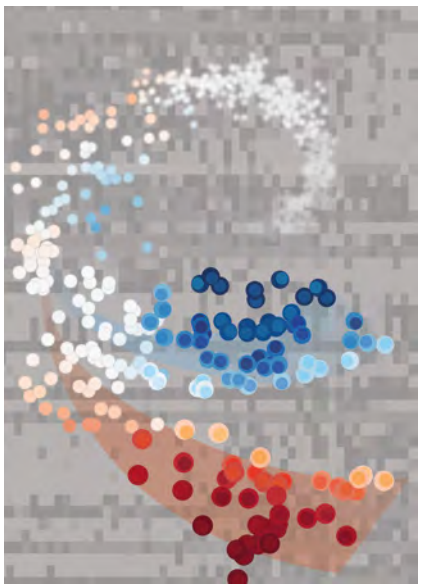
to consider an exit from research. I searched for options to go back to night-school and take on other qualifications while paying the mortgage. I learnt then, as I am aware now, for all my students and post-docs, that you need a Plan B! But even with all these tentative preparations for the after-life, the stress got worse, and the fear of failure began to choke me.

So, what saved me? It was not the success of a grant, nor the acceptance of a paper. It was a book - no, not a religious text. It was called "An Astronaut's Guide to Life on Earth by Chris Hadfield. In this book, Commander Hadfield realised that to be an astronaut, he could not focus on the few weeks that he might spend in space (which might never happen). Instead he chose to focus on the day-to-day process of astronaut training. He decided to "enjoy the process" of training to become an astronaut, and to forget about end goals. I immediately saw this advice as salvation. I decided to re-position the energy of our lab. We chose to focus on each lab member's, short-term goals for the year, and above all, to ENJOY THE PROCESS of research, not the end goals of papers, grants, or academic survival. I believe this immediately gave me back some sense of control in my scientific life that was being eroded by plummeting success rates for grant applications.

During this period, my PhD student, Kylie James, had won a couple of small grants to travel to the Wellcome Trust Sanger Institute, UK, to conduct some work for her PhD. She had shipped a new TCR transgenic mouse, made by Dr Daniel Fernandez-Ruiz and Prof Bill Heath at the University of Melbourne, which responds to experimental malaria infections in mice. With this exciting new reagent, Kylie and her colleague Dr Tapio Lonnberg, set about

We chose to focus on each lab member's, short-term goals for the year, and above all, to ENJOY THE PROCESS of research, not the end goals of papers, grants, or academic survival.

using a technology called single-cell mRNA-sequencing (scRNAseq) to study how CD4+ T helper cell differentiation occurred during experimental blood-stage malaria in mice, and how cell-cell interactions with myeloid cells might influence the choice of T helper cell fate. My collaborator, Dr Sarah Teichmann and I began supervising Kylie and Tapio on this project, which usually involved fortnightly teleconferences at un-godly hours! The light-bulb moment for me, did not occur as a result of some data analysis, nor when our paper was accepted in Science Immunology last year (Lönnberg et al 2017), No, the light bulb burst into glorious light for me very early on in the project when I realised that we were all having fun! Sarah, Tapio, Kylie and I, as well as Valentine Svensson and Oliver Stegle, computational biologists who soon joined the group, enjoyed our interdisciplinary discussions about T-cell immunology, single-cell genomics, and computational



SCRNASEQ ILLUSTRATION.
An artist's impression (by ASI member Susanna Ng) of how single-cell transcriptomes of TCR transgenic CD4+ T cells during experimental malaria differentiate into Th1 or Tfh cells during the first week of infection. Raw scRNAseq data is presented in the background, while the scRNAseq data has been re-ordered by a computational analysis called "GPfates", developed by Valentine Svensson. (Figure adapted from data presented in Lönnberg et al, Sci Immunol 2017)

analysis. That sense of academic freedom and fun from my PhD days had re-surfaced once more! At no point did I think about strategizing our research to fit into an NHMRC grant. I had tried that for a few years, and it was making me miserable. I decided to throw any last research funds we had into having fun, and asking questions that we as a lab wished to ask.

An idea we had following our recent paper, Sarah Teichmann and I thought that we might be able to capture individual cell transcriptomes using scRNAseq, and then re-order them computationally because the transcriptional responses of differentiating CD4+ T cells are blurred in vivo due to different speeds of differentiation for individual T-cells, and due to different T helper fates emerging simultaneously. This would then reveal a "tree" of differentiation, as well as providing the underlying expression kinetics for every gene detected by scRNAseq. Having used this technique for malaria in mice, we are now turning to other T-cell differentiation systems, in mice and most excitingly, in humans. Our hope is that we can capture decision-making processes as activated CD4+ T cells navigate choices between all the different effector, regulatory and memory options that lay before them.

As I prepare for my ASI Jacques Miller-sponsored tour of malaria immunology research labs in the USA, and juggle the responsibilities of guiding members of my research team, and writing grants, fellowships, and papers, I am reminded that whatever lies ahead for us over the next few years, my lab must continue to find the fun in research. So c'mon, let's Enjoy the Process, while we can!

An artist's impression (by ASI member Susanna Ng) of how single-cell transcriptomes of TCR transgenic CD4+ T cells during experimental malaria differentiate into Th1 or Tfh cells during the first week of infection. Raw scRNAseq data is presented in the background, while the scRNAseq data has been re-ordered by a computational analysis called "GPfates", developed by Valentine Svensson. (Figure adapted from data presented in Lönnberg et al, Sci Immunol 2017) ■

"I'M AN IMMUNOLOGIST" ASI SOCIAL MEDIA PROMOTIONAL CAMPAIGN

DR GABRIELA KHOURY

"You're a what?" "An immunologist." Whether it is a family member, friend, date, other acquaintance, we've all been there before.

Immunologists take all shapes and sizes. To help the public become more familiar with what an immunologist does, the ASI will be running a social media promotional campaign to show case its members.

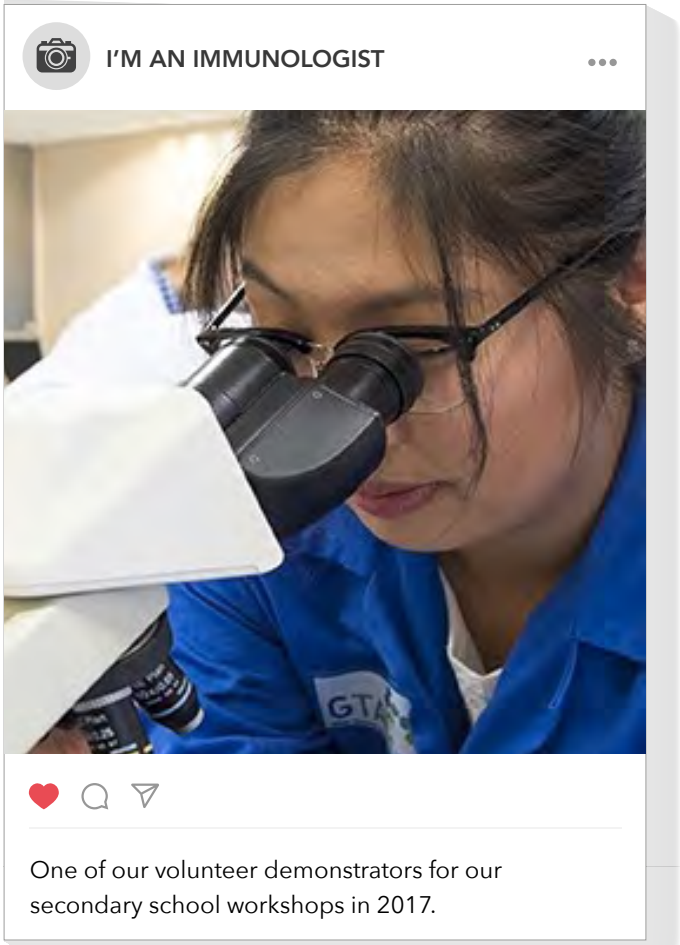
"I'm an immunologist" will profile ASI members on twitter, facebook and Instagram. This will be a fantastic opportunity to engage with the public and will look great on your CV.

Who and what are we looking for?

- We are looking for a variety of immunologists. Researchers at different career levels and disciplines- basic researchers (early, mid and senior), research assistants and other support staff, students, clinicians, lecturers, computational researchers, platform staff, project managers etc.
- Approximately 5 ASI members will be featured from each Australian state and New Zealand. The individuals will be from different locations, universities, institutes and hospitals.

If you are interested in being featured during the campaign, please complete the following Expression of Interest questionnaire before the 20th April 2018. If you are selected to be featured, you will need to provide a photo of yourself in your "research habitat" and a one sentence lay description of what you do.

If you have any questions please contact Dr Gabriela Khoury, ASI social media manager. ■



One of our volunteer demonstrators for our secondary school workshops in 2017.

"I'm an immunologist" will profile ASI members on twitter, facebook and Instagram. This will be a fantastic opportunity to engage with the public and will look great on your CV.

TRAVEL REPORTS

DGFL-ASI 2ND JOINT WORKSHOP

16-18 September 2017

TOMMASO TORCELLAN

STEINBACK BRÄU, THE MOST FAMOUS BREWERY OF ERLANGEN WHERE WE HAD DINNER WITH THE MEMBERS OF THE GERMAN IMMUNOLOGY SOCIETY.

During the ASI-DGfI joint workshop in Canberra in 2015, I was honored to receive a Miltenyi sponsored travel award for the best short oral presentation, which allowed me to attend the 2017 DGfI annual meeting in Germany. During this year's DGfI meeting I had the opportunity to meet with German immunologists and learn about the German research excellence in the immunological field, of which I had a preview in Canberra.

Additionally, this was also the 50th anniversary of the DGfI. In order to celebrate this auspicious occasion, all attendees received a book about the birth and the development of immunological research in Germany. There is a consensus stating that German scientists played a key role in the birth of modern immunology which I found very interesting and also motivating, especially as this is the field of science I want to dedicate my life passion to.

The conference took place in Erlangen, a small university town on the outskirts of Nuremberg. Nuremberg was razed to the ground by the allied forces during the last world war but was miraculously spared by the bombings and still today preserves that Rococo look that was once the signature of many German cities.

This meeting was a fantastic showcase of German immunological research and the many collaborations between German and international scientists. Many sessions were dedicated to tissue-resident and innate-like lymphoid cells, proof of how this field has now become one of the hottest topics in science.

It was very exciting for me to see a sizeable delegation of Australian scientists. This shows a clear indication of the strong ties between Australia and Germany when it comes to research and working together. I also presented my PhD work on tumour-egressing T cells at the meeting for which I received some good feedback. I have recently started my first post-doc position in Würzburg, Germany after over four years of living the Australian dream.

I am extremely grateful to the ASI, DGfI and Miltenyi for giving me this opportunity to attend this conference and I am proud of being part of this scientific community. ■

ASI INTERNATIONAL POSTGRADUATE TRAVEL AWARD RECIPIENT

3rd CRI-CIMT-EATI-AACR International Cancer Immunotherapy Conference, Mainz, Germany, September 6-9, 2017

CARLY GREGOR, Chemokine Biology Laboratory, University of Adelaide
Email: carly.gregor@adelaide.edu.au

THE CONFERENCE, HELD IN THE RHEINGOLDHALLE CONGRESS CENTER IN MAINZ, GERMANY.

As a recipient of an ASI postgraduate travel award, I was able to attend the 3rd CRI-CIMT-EATI-AACR International Cancer Immunotherapy conference, held in Mainz, Germany in September 2017. This was an amazing opportunity to hear research presented from many world leaders in tumour immunology, as well as having the opportunity to present and gain valuable feedback on my PhD work.

The focus of this meeting was on translating science into survival, and the mix of clinical and basic research heavily emphasised this focus. There were around 1500 attendees, and with only one session at a time, the presenters were all of an extremely high calibre. The majority of the first day was centred around neoantigens and their use in tumour vaccines. Ton Schumacher opened the first session and presented a range of his published and unpublished work. He highlighted some of the major issues with developing an effective T cell response to tumours and presented research indicating that only a very small percentage of neoepitopes in tumours induce T cell reactivity, as well as the majority of intratumoural CD8+ T cells being specific for irrelevant antigens.

Both Catherine Wu and Ugur Sahin presented promising clinical trial data on personalised neoantigen-specific vaccines, and emphasised that the majority of neoepitope-directed responses are mounted by CD4+ T cells. Nicholas Restifo presented his recently published work on genome-scale CRISPR screens to identify novel mutations in tumours that enable immune escape.

Thomas Gajewski's presentation was another highlight of the meeting, with his research on the control of CD8+ T cell tumour infiltration and apoptosis being of particular interest to my PhD work. Dirk Busch presented very intriguing unpublished work on CAR T cells, while Ira Mellman presented clinical data as well as mechanistic analysis of anti-PD-L1 treatment in NSCLC. There were a number of other great presentations, including from Nick Huntington and Marian Burr who both presented their recently published work. The last session of the meeting was on oncolytic viruses, a burgeoning field using viruses that specifically target tumour cells which have downregulated Type I IFN pathways, whilst healthy, IFN-sufficient cells remain unharmed. I really appreciated the opportunity to present my work in the poster session, where I had a lot of interesting discussions and gained important feedback from others in my field.

After the conference, I travelled to a number of labs around Europe to discuss potential postdoctoral positions. As I am approaching the end of my PhD, it was extremely important for me to meet lab heads and their teams, and I was able to secure a postdoctoral position for next year. I also had the opportunity to present my work to a number of different research institutes, where I again gained valuable feedback and developed potential future collaborations with researchers. I am extremely grateful to ASI for their generous support for this trip, which has been an amazing opportunity for my career. ■

A MARKET BEING HELD IN ONE OF THE MAIN SQUARES OF MAINZ, IN FRONT OF THE 1000-YEAR OLD ST MARTIN'S CATHEDRAL.

ANNUAL MEETING OF GERMAN SOCIETY FOR IMMUNOLOGY

DEBORAH BURNETT, Garvan Institute of Medical Research, NSW

DEBORAH BURNETT (FIFTH FROM THE RIGHT) WITH FELLOW PARTICIPANTS AT THE ANNUAL MEETING OF GERMAN SOCIETY FOR IMMUNOLOGY, ERLANGEN.

At the collaborative ASI-DGfI meeting in Canberra in 2015, myself and two other students were awarded the opportunity to travel to Germany in 2017 and attend the annual meeting corresponding with the 50th anniversary for the German Society of Immunology.

The conference was based in Erlangen, a Middle Franconian city in Bavaria just one hour by high-speed train from Munich. Before the conference even began, the students of the Erlangen PhD program gave us a very warm welcome. They showed us around the picturesque university town and we boarded a train to the nearby city of Nuremberg where they taught us about the historical significance of the area. Following this we headed back to Erlangen to present our work at their monthly immunology seminar.

The conference itself was an equally amazing opportunity. It featured a broad range of international speakers from Australia, Canada, France, America and of course some internationally recognised German scientists. I was fortunate enough to be able to present my work and received valuable feedback. Despite the impressive line up of speakers attending, the conference still kept a friendly and informal environment, making it possible to discuss research in a relaxed manner between talks and at the social events.

The conference covered a broad range of topics in immunology, ranging from neuro-immunology, allergy, metabolic control, immune tolerance, infection and tumour evasion, just to name a few. This means that I was both exposed to in-depth talks in my areas of interest and given the opportunity to learn about scientific areas where I am less experienced.

I would like to offer my deepest thanks to both the Australasian and German Societies of Immunology for giving me the opportunity to engage in this amazing experience. I have learned so much and have made connections which I very much hope to maintain throughout my scientific career. ■

MOTHERHOOD AND SCIENCE CAN COME HAND-IN-HAND

Women's Initiative Award Winner

JOANNA KIRMAN

PHOTO OF ME AND MY LAB GROUP LAST YEAR (TOP L-R BRIN RYDER, ME, BOTTOM ROW L- R, PIA STEIGLER, SARAH SANDFORD, CLAUDIA LEWIS).

I was delighted to receive the ASI Women's Initiative award last year that enabled me to attend the annual meeting. As we all know life can throw you some curveballs, and when my daughter was only 3 months old one of those curveballs arrived and I found myself in the unenviable position of being a sole parent. I cannot lie, being a sole parent and juggling life as a research scientist and academic is by no means easy and not something I would recommend to choose. However, by being very organised (with the help of an au pair in recent years and a lot of hard work), these past 9 years have been incredibly rewarding both at home with my daughter and at work.

My research focuses on immunity to Tuberculosis and at the moment we are particularly interested in determining which arm of the immune system, the innate or adaptive, has the upper hand when it comes to vaccine-induced immune protection against this disease (check out our paper about to come out in ICB: http://onlinelibrary.wiley.com/doi/10.1111/imcb.12007/abstract). I've had the pleasure of working with some amazing students and staff and it's always a delight to see them again. In the Infection and Immunity workshop one of my former PhD students was chair, and another spoke directly before me!

Having a scientist for a mother has given my daughter, Hannah, some interesting opportunities. She has travelled with me to many meetings including ASI - she is the proud owner a stuffed toy dendritic cell and a CTL and lots of emojis thanks to the sponsor stands! When she was younger, I also used to pay for a person to travel with me and be her caregiver (extremely expensive on an academic salary!), but a few years ago I was speaking to a fellow ASI member (also a sole parent) about how I could get to the ICI meeting and she suggested bringing my daughter to the actual meeting. So Hannah attended ICI in Melbourne and also ASI in Brisbane - entertained by books and her iPad and occasionally glancing at the presentations and in down times enjoy the pools outside the conference venue. I was able to present, chair, attend the council meeting (wearing my visiting speaker programme co-ordinator hat) and network - all necessary parts of my job, made possible through this award. Many thanks also to my wonderful friends and colleagues who helped with Hannah when she became ill during the meeting - the support was invaluable.

A PHOTO TAKEN A WEEK AGO AT HOME LOOKING PLEASED WITH HER NEWLY MADE "SLIME CLOCK" (BUDDING SCIENTIST?).

A hint on how to support a single-parent colleague: try to plan family-friendly meeting times at work (very early meetings or those that role on past 5pm are logistically challenging and expensive (extra childcare costs) to attend. ■

HERE'S A PHOTO FROM THE MEETING OF MY DAUGHTER WITH THE FABULOUS JACQUES MILLER (SOMETHING TO SHOW OFF AT SCHOOL!).

BRANCH REPORTS

NSW BRANCH REPORT

HELEN MCGUIRE, E: helen.mcguire@usyd.edu.au

It is with great enthusiasm I take up the post as ASI NSW Councillor. I've big plans to boost our statewide immunology community and promote our great state on the larger immunology stage! But firstly, on behalf of the NSW ASI members I want to sincerely thank *Mainthan Palendira* for his leadership as NSW councillor over the past 3 years. As I get settled into this role I know Mainthan will be a great advisor, and together with our local committee of eager immunology researchers we'll look forward to putting on some outstanding events in the future.

I'm pleased to report that planning is well underway for several key ASI NSW events this year:

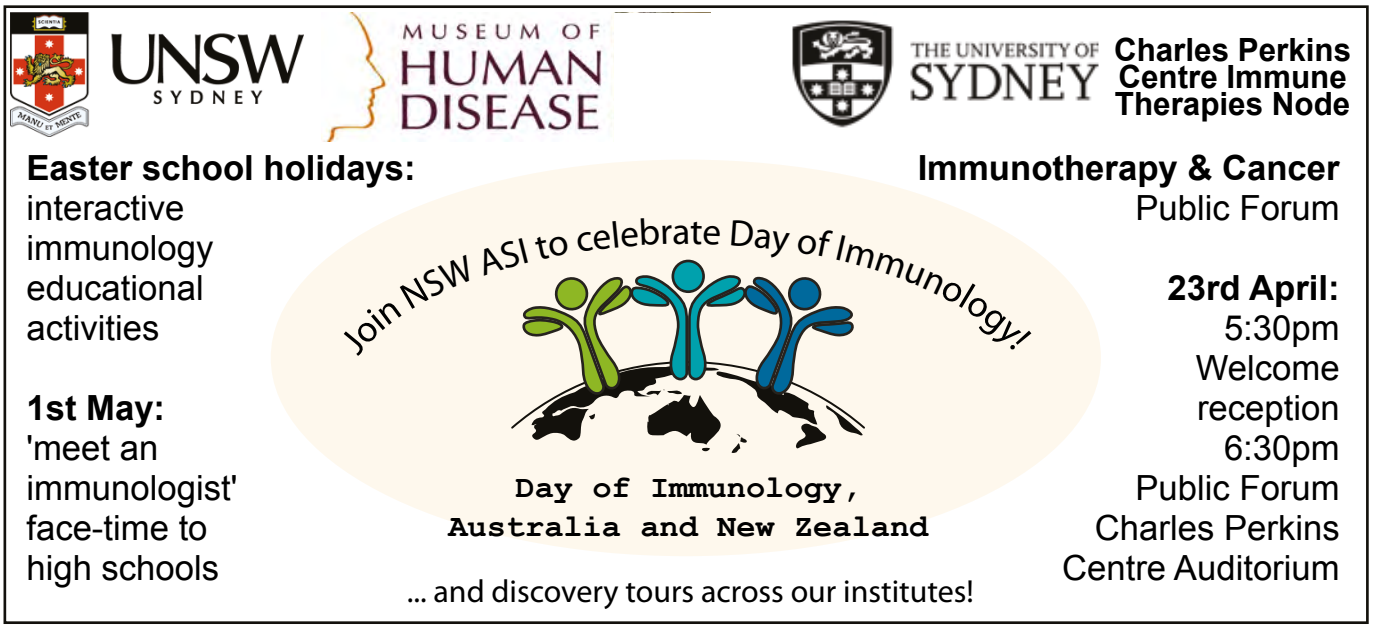
Day of Immunology Celebrations

In partnership with the UNSW Museum of Human Disease, we will feature interactive immunology themed educational activities over the coming Easter school holidays. Let your friends know, great for those with kids looking for a fun school holiday day out!

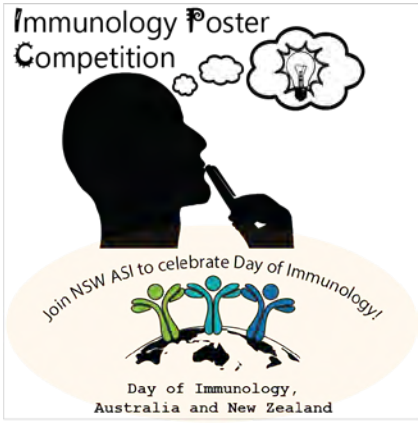
And on the 1st May we will host a feature video link up 'meet an immunologist' available to high schools across the state. If schools you are associated with are interested please contact Derek Williamson, Director of the museum (derek.williamson@unsw.edu.au) to find out how your school can sign up!

This year we are partnering with the Immune Therapies Node, Charles Perkins Centre, University of Sydney to present a captivating Public Forum which will explore the wonders of the immune system and how we can harness its power through immunotherapies to combat cancer.

Taking place at the Charles Perkins Auditorium, University of Sydney, directions here on the 23rd April, starting with a welcome reception from 5:30pm and public forum from 6:30pm.
Please RSVP here for catering purposes.



We are inviting students to submit a poster explaining some immunological concepts with a special focus upon HSC curriculum.



We are also inviting students to submit a poster explaining some immunological concepts suitable to the general public with a special focus upon HSC student curriculum.

Those selected as finalists will be displayed at the public forum welcome reception, and judged for a People's Choice Award and Best Poster Award. The best poster winner will be distributed to 500 schools in the NSW region!! An initiative made possible through the UNSW Museum of Human Disease. In addition to this amazing recognition and exposure, winners will receive a cash prize from ASI NSW.

We're encouraging you to relate to your own studies, with a focus towards images and schematics rather than data dense graphs etc.

Remember to keep it informative, scientifically defensible and able to be understood for a high school student audience.

Email pdf of poster (in low res PDF format) to helen.mcguire@sydney.edu.au by 22nd April.

Click here for more information on the ASI website.

And stay tuned to hear about our discovery tours planned.

Visiting Speakers Program

This year we're thrilled to welcome Dr Alan Sher, Prof Uri Hershberg and Prof Joel Ernst to NSW.

Dr. Alan Sher
NIH Distinguished Investigator
Deputy Chief, Laboratory of Parasitic Diseases
NIH National Institute of Allergy & Infectious Diseases
Bethesda MD USA

Uri Hershberg, Ph.D
Associate Professor
School of Biomedical Engineering, Science & Health Systems
Dexel University, Philidephila, PA, USA

Joel D. Ernst, M.D.
Professor, Departments of Medicine, Pathology, and Microbiology
Jeffrey Bergstein Professor of Medicine
Director, Division of Infectious Diseases and Immunology
Alexandria Center for Life Sciences

Dr Alan Sher will present a Special Seminar for Infectious Diseases and Immunology, University of Sydney on 27th March 2018 at 3pm followed by a networking reception. Click here for more information. Contact myself or Carl Feng (carl.feng@sydney.edu.au) if you'd like to meet one on one with Alan on 27th or 28th of March.

We are delighted to host Prof Uri Hershberg at our NSW/ACT branch meeting (more details below), with Prof Joel Ernst's visit planning still underway.

Dr Alan Sher will present a Special Seminar for Infectious Diseases and Immunology, University of Sydney on 27th March 2018 at 3pm followed by a networking reception.

NSW/ACT branch meeting

This year we're excited to move our joint NSW and ACT branch meeting to the seaside! Our new venue will be the Sebel Harbourside, Kiama and promises to offer a great opportunity to hear the latest and greatest research, particularly from our students, network and have fun. The meeting will take place on the 13th and 14th September, with a similar format to that of last year's meeting. We've already Degli-Esposti lined up some great keynote speakers which include nationally Prof Mariapia (Lions Eye Institute, The University of Western Australia) and internationally Prof Uri Hershberg (Drexel University, Philidephila, PA, USA).

Please feel free to contact me if you would like to get more information or get involved in any events (helen.mcguire@sydney.edu.au). I'm always keen to hear suggestions, and I very much look forward to working with you in this role over the next three years. ■

NEW ZEALAND BRANCH REPORT

RIES LANGLEY, E: r.langley@auckland.ac.nz

NZ Branch Meeting 2018

The big news for now is that the NZ branch meeting will be held on 26-27 August during the Queenstown Research Week. Queenstown Research Week is New Zealand's biggest annual scientific gathering and is held in an incredible winter location.

The organising committee, led by Rod Dunbar and Ros Kemp, is busy preparing a fantastic program. There will be a joint session on cancer immunology with the New Zealand Society of Oncology and I'll put out further details on the branch meeting in upcoming bulletins. Also, keep an eye out for updates: queenstownresearchweek.org/asiqmb-immunology/

Queenstown Research Week is New Zealand's biggest annual scientific gathering and is held in an incredible winter location.

A highlight of the annual branch meeting is the Watson Oration. Named in honour of the well-known NZ immunologist Jim Watson, this oration is given by a prominent branch member. Past orators include Margaret Baird and John Fraser (2011), Bryce Buddle and Mike Berridge (2012), Graham Le Gros (2014), Roger Booth (2015), and Sarah Hook (2017). NZ-ASI is putting out a call for nominations for the 2018 Watson Oration. E-mail me with your suggestions.

Visiting Speaker Programme in NZ

Carina Mallard visited Auckland on 22-23 January and gave a very engaging presentation to a packed house on what immune cells in the brain do after perinatal injury.

Coming up in March: Alan Sher will be speaking in Dunedin (14 March) and Wellington (16 March), and Diane Mathis will be giving a presentation in Wellington on 28 March. For more details contact me or visit the VSP page on the ASI website. Also if any NZ members plan to travel to these events please contact me for more details on branch funding. ■

PROF CARINA MALLARD CHATTING ABOUT IMMUNOLOGY WITH NZ BRANCH COUNCILLOR RIES LANGLEY. PHOTO COURTESY OF PROF ALISTAIR GUNN.

VISITING SPEAKERS PROGRAM

STUART MANNERING, VSP Co-coordinator
E: smannering@svi.edu.au

I thought I'd start this piece by referring to the UN's designation for 2018. However, a quick Google search revealed that the UN have declined to dedicate anything to 2018! 2017, in case you missed it, was the year of Sustainable Tourism. There is hope though, 2019 will be the international year of Indigenous Languages. Since the UN have dropped the ball for 2018, I'd like to make 2018 the year of *the ASI's Visiting Speaker Program*. The Visiting Speaker Program will be an important part of the year for me, if not the UN and the international community. I was delighted, and I must admit surprised, to be elected as the Coordinator of the Visiting Speaker Program (VSP). Thank you to all the people who supported me. I'm also very grateful to Jo Kirman, my predecessor, for patiently guiding and advising me as I learn the job - thanks Jo!

The Visiting Speaker Program will be an important part of the year for me, if not the UN and the international community.

The ASI VSP contributes significant funds to bring eminent Immunologists to Australia and New Zealand on speaking tours. One of the strengths of this program is that it is driven by the 'grass-roots' of the ASI. A major benefit of being part of ASI is that any member can nominate someone for the Visiting Speaker Program. We have two nomination rounds per year, late March and November. ASI Executive chooses about four nominees each round.

A major benefit of being part of ASI is that any member can nominate someone for the Visiting Speaker Program. We have two nomination rounds per year, late March and November.

ASI contributes up to AUD $3,500 towards economy class airfares to and from Australia and NZ. Each speaker must visit at least three branches during their trip. The ASI branches organize the speakers' presentations and fund their accommodation and meals during the time they are in that branch. This gives ample opportunity for all interested ASI members to hear and meet with the visiting speakers. The coordinator's role is to oversee this process and ensure that everything runs smoothly... what could possibly go wrong?!

Why do I think the Visiting Speaker program is essential for a vibrant scientific community in Australia and New Zealand? On the global stage we're a small group of Immunologists far removed from the big centers. To compete we have to engage with the global scientific community. The ASI Visiting Speaker Program allows us to do this, one speaker at a time. It's a two-way street, the speakers leave with an appreciation of the depth and strength of the science and the scientists in New Zealand and Australia. We, on the other hand, have an opportunity to start, or strengthen, working relationships with some of the best Immunologists in the world. A face-to-face meeting with a 'big-name' scientist who you only know from reading their work can be an empowering and educative experience. Many of the benefits are intangible, but I would argue, still invaluable.

So, in this Year of the Visiting Speaker Program I encourage you to think about an Immunologist you'd like to have visit and submit a nomination this round before March 30th, or for the next round by September 28th and email to smannering@svi.edu.au.

Please see our ASI VSP webpage for former speakers and to download the VSP Guidelines. I'm sure you'll discover that participating in this program is rewarding in many ways.

Finally, I hope that 2018 for you will be the year of the successful experiments, the big papers and many well-funded grants. ■

MINUTES OF ANNUAL GENERAL MEETING

Notice is hereby given that the 2017 Annual General Meeting of the Australasian Society for Immunology will be held as follows:

Day: Wednesday 29th November 2017

Time: 1 to 2pm

Location: Brisbane Convention and Exhibition Centre, QLD, Australia.

MINUTES

1. WELCOME AND APOLOGIES (SH)

Apologies: John Fraser

Attendance: Susanne Heinzel, Connie Jackaman, Tyani Chan, Fabienne Brilot, Judith Greer, Aakanksha Dixit, Elissa Deenick, Natkunam Ketheesan, Joanna Roberts, Sarah Hook, Helen McGuire, Vanessa Bryant, Angelica Lau, Graha Leggatt, Rachel de Kluyer, Iain Comerford, Nicole La Gruta, Meridith O'Keefe, Kim Jacobson, Cindy Ma, Stuart Tangye, Dale Godfrey, Andrew Lew, Phil Hodgkin, Rajiv Khanna, Antje Blumenthal, Andrew Currie, Ming Yang, Manuela Florido, Phillip Fromm, Christian Bryant, Morris Lee, Nicholas King, Dimitra Zotos, Danielle Priestley, Denise Doolan, Ian Barr, Andrew Bean, Kim Murphy, Anne La Flamme, Chris Goodnow, Claudine Bonder, Emma Hamilton-Williams, Lisa Connor, Di Yu, Matt Sweet, Lisa Miosge, Greg Woods, Hamutal Mazrier, John Stambas, Jim Harris, Franca Ronchese, Joanne Reed, Jose Villadangos, Anand Gautam, Graham Le Gros, Delia Nelson, Chris Parish, Lynn Corcoran, Ries Langley, Kristen Radford, Scott Mueller, Thina Kailaivasan, David Tscharke, Jennifer Rolland Proxies: Roslyn Kemp

2. CONFIRMATION OF MINUTES AGM 2016

Resolution: That the AGM approves as correct the minutes of the 2016 Annual General Meeting held on Friday 25th November 2016

1st – Susanne Heinzel

2nd – Anne La Flamme

All in favour

3. RECEIPT AND APPROVAL OF REPORTS FROM COUNCIL

President's Report (SH)

Introduction of incoming council members

- John Fraser – Vice President
- Asolina Braun – Deputy Treasurer
- NSW Councillor – Helen McGuire
- Newsletter Editor – Angelica Lau

Thanks to outgoing members

- Past president – Chris Goodnow
- NSW Councillor – Mainthan Palendira
- Newsletter Editor – Joanna Roberts
- VSP co-ordinator – Jo Kirman

Thanks also to Sarah Fardy

Journal have been transferred to Wiley – went through a broker Mark Ware, helped us with the tender process. Thanks to NPG for their work in the past

Financials – ASI in a very good position due to ICI profits, new Wiley contract, successful meetings and careful budgeting

Council has decided to invest $1m –currently in discussion with financial adviser

This year also hired a General Manager (Tyani Chan) to help promote the journals and society

Council recognises there have been problems with admin services over the year and are currently working to improve this situation.

Resolution: That the AGM approves the 2017 presidents report

1st - Andrew Lew

2nd – Phil Hodgkin

All in favour

Secretary's Report (ED)

Member numbers –
2017: 845 Financial, 11 sustaining, 22 Honarary
Compared to 2016: 992 Financial, 19 Honorary/Comp

2017 FINANCIAL MEMBERS - at 25/11/17

	Ordinary	Stud	Ret	Sust	Hon	Comp	Int Ordinary	Int Stud	TOTAL
ACT	21	21	1	0	1		1	2	47
NSW	76	40	3	5	2		1	2	129
QLD	78	43					1	1	123
SA/NT	27	23			2			2	54
TAS	4								4
VIC	201	92	2	4	13			4	316
WA	44	20	2	2	2			1	71
NZ	51	24			1				76
USA	5	2							7
UK	5								5
SWITZ					1				1
AUSTRIA		1							1
CANADA	1								1
TAIWAN	1								1
SWEDEN	2								2
GERMANY	2	1							3
ITALY		1							1
MONGOLIA	1								1
S/AFRICA	1								1
SPAIN	1								1
				11	22				845

This represents a drop in numbers but we believe this has to do with admin difficulties and the website being down at critical times.

International Travel Awards: 8 post grad, 6 post doc, 1 Ada, 2 Miller (~$50k), success rate is ~20-30%

Visiting Speaker Program: Moved to two nomination rounds a year. Had 5 speakers in first round and 3 in the second. 5 male/3 female

- Daniel Mucida, Cezmi Akdis, Adrian Liston, Nancy Haigwood and Lars Nitschke
- Diane Mathis, Carina Mallard, and Alan Sher

SIGs (7 applications received) and 200k new initiatives

- Working group formed to review these further, decision in the new year
- Still open to new SIG applications or new suggestions of initiatives

Discussion:

- Q Andrew Lew – NSW seems particular low in members
  ED – this is quite possibly due to the website being down coinciding with the branch meeting when people often sign up
- Q John Stambos – was it in full members or students that dropped
  - in both but higher drop in students – may be due to their joining/registration being more affected by admin issues
- Q Lynn Corcoran – there seems to be a drop over time
  ED – number to focus on is the financial members which has been 963, 955, 992, 845 the last 4 years – slight anomaly in hon members numbers due to way recipients of ICB print issues were recorded in past

Resolution: That the AGM approves the 2017 secretary's report

1st - Dale Godfrey

2nd - Stuart Tangye

All in favour

4. RECEIPT AND APPROVAL OF FINANCIAL STATEMENTS

Treasurer's Report (KJ)
See also attachment of financial reports

TREASURER'S REPORT
Audit of Finances 2016-2017
Key points include:
Balance Sheet
Net assets **$1,691,289**. Currently have **$1,357,055** in Central account and **$251,812** in branch accounts.
Profits and Loss
1. Society ran a profit of **$763,423, which is up due to ICI profits**
2. Expenses yet to be recorded: Editorial assistant costs
Income:
1. An aberrant year because of ICI profits, no annual meeting and not all branch meetings took place
2. Total membership down, but due to working though website and administrative issues we expect it to go back up next year.
3. Interest from investments steady
Expenses
1. Most expenses remain similar to the 2015-2016 Audit with a few notable differences:
2. Annual bursary and travel awards down but **100K spent in bursaries for ICI**
3. No FIMSA awards given out this year (incorporated into ICI bursaries for FIMSA members).
Budget:
1. This year has three significant differences to the previous year: ICI profits, ICI bursaries and ICB tender. Also some branches didn't hold local meetings because of ICI.
2. Significant income from ICI and increase in income for ICB (plus signing bonus) will result in changes to the budget, including investments and new ASI activities.
3. New Awards: Jared Purton Award and Women's Initiative bursaries
4. Organisational changes with departure of development officer and new general manager position
Thank you to all the branch councillors for their help

Some changes in the payments from Wiley expected going forward

Discussion:

- Judith Greer – FIMSA $6000 seems quite low, would be good to support this interaction more
  - Kim Jacobson – we will look into this as part of the money set aside for new initiatives
- Jose Villadangos – How much will we get from the journal?
  - Anne LF – We have a set minimum amount of money regardless of revenue
- Chris Parish – Was concerned about move to Wiley, the decision shouldn't have been just financial it is also about visibility
  - Chris Goodnow – we also considered those factors, however things have changed with the merger of Springer and Nature – most journals without a Nature title are going to go to Springer which would mean we would lose that nature visibility anyway

Resolution: That the AGM approves the Financial Statement of the 2017 financial year.

1st - John Stambos

2nd – Phil Hodgkin

All in favour

5. RECEIPT AND APPROVAL OF REPORTS FROM ICB AND CTI

CTI Report (RK)

RK reported he had many problems dealing with NPG in regards to CTI

Also updated on developments for CTI

- Now published by Wiley
- CTI is now listed in Emerging journal index
- Impact factor expected in June 2018
- Listed in PubMed Central
- Increasing international profile
- Developing new marketing strategy
- Cost of APC reduced (additional 20% discount for ASI members)
- Special Feature Series: Edited by Early-Mid Career Scientists

ICB Report

Discussion:

- Jose Villandangos – it would be good to have more prominent ASI logo on the journal website
  - Anne LF – the new website already has the logo on it

Resolution: That the AGM approves the ICB/CTI report.

1st - Andrew Lew

2nd - Phil Hodgkin

All in favour

6. OTHER REPORTS

Meeting Reports

2017 QLD

Registrations and abstract submissions for meeting

Registration Summary	
Registrations	628
Abstracts	409
(Invited)	(71)
Welcome Reception	525
Burnet Oration	484
Student Function	108
Conference Dinner	225
Burnet Oration Dinner	48
MI Workshop (incorporating ILC Workshop)	43
II Workshop	45
TI Workshop	72
Postgraduate Workshops	22
WiT Workshop	174
Miltenyi Biotec Symposium	41
Tools for Immuno-Oncology Research	36

Also reported on budget figures

Sponsorship & Trade	
SPONSORSHIP	78,210
TRADE/EXIBITORS	77,220
SIG SPONSORSHIP	5,500
ADVERTISERS	3,190
Total	$164,120

2018 WA Organising Committee

- Co-Chairs: Connie Jackaman & Scott Fisher
- Treasurer/Deputy Treasurer: Demelza Ireland & Alistair Cook
- Secretary/ Sponsorship: Mark Agostino & Jeanne Le Masurier
- Scientific Program: Michaela Lucas (Chair), Chris Andoniou, Joost Lesterhuis, Delia Nelson
- Social Program: Bree Foley (Chair), Iona Schuster, Federica Tomay, Mel McCoy, Emma de Jong
- General committee members: Dino Tan, Senta Walton
- Student representatives: Wayne Aston & Amy Prosser

2019 SA Local Organising Committee

Iain Comerford, Claudine Bonder, Simon Barry, Lisa Ebert, Tim Sadlon, Preethi Eldi, Damon Tumes, Antonio Ferrante, Alex Quach, Stephen Blake, John Hayball, Tessa Gargett, Stanley Yu, Mohammed Alsharifi, Toby Coates, Issac Sakala, Danushka Wijesund

Resolution: That the AGM approves the meeting reports.

1st - Anne La flame

2nd - Nicole La Gruta

All in favour

SPECIAL BUSINESS

7. SPECIAL RESOLUTIONS TO AMEND THE RULES OF THE AUSTRALASIAN SOCIETY FOR IMMUNOLOGY INC.

Special resolution 1: To add the following to section 18.5

e. A joint representative for ICB/CTI. The editors-in-chief of ICB and CTI act as one joint representative and share one vote between them. If both EiC are present and agree the vote will be counted. If the EiC disagree the vote will be counted as 'abstained'. If only one EIC is present their vote counts as the one ICB/CTI vote.

1st- Nick King

2nd - Judith Greer

All in favour

Special resolution 2: That section 29.1 be replaced by:

29.1. All cheques, drafts, bills of exchange, promissory notes and other negotiable instruments shall be signed by two members of Council of whom one shall be a member of the Executive Committee, who shall normally be the Treasurer, and one other of the following: Either the President, the Secretary, the Deputy Treasurer, the Vice President or the Immediate Past President (whichever is in office), or the Council member who is the State Representative of the State wherein the reasurer resides.

1st – Andrew Lew

2nd – Stu Tangye

All in favour

8. ANY OTHER BUSINESS

Correspondence from:

- Ramya Ramamoorthi – felt that ASI should support Immunology education more strongly
- Phil Hodgkin – there used to be an education SIG ED – they did reapply – can potentially work with them to improve education visibility
- David Tscharke – supported teaching award – you don't get good immunologists without good teaching. Could get PhD students to nominate people who taught them

ATTACHMENTS:

Explanatory notes for special resolutions:

We are prosing that two changes be made to the constitution

1. To give representation to the ICB/CTI on the council

Section 18.5 currently states

18.5. Subject to the Act, the Council shall consist of:-

a. the officers of the Society;

b. the ordinary members of Council, being; one Representative of NSW, Queensland, Western Australia, the Australian Capital Territory, one joint representative from South Australia and the Northern Territory, one joint representative from Victoria and Tasmania and one Representative of New Zealand.

c. the Representative of any association which has been formally recognised by Council by virtue of shared interests (including those associations so recognised by the Council of the unincorporated Society prior to incorporation). Such Representative shall not normally be a voting member of Council unless otherwise determined by Council.

d. the Representative of any committee or sub-committee which was initiated by a direct request of Council (including any committee or sub-committee so initiated by the unincorporated Society prior to incorporation). Such Representative shall not normally be a voting member of Council unless otherwise determined by Council.

We propose adding the following

e. A joint representative for ICB/CTI. The editors-in-chief of ICB and CTI act as one joint representative and share one vote between them. If both EiC are present and agree the vote will be counted. If the EiC disagree the vote will be counted as 'abstained'. If only one EIC is present their vote counts as the one ICB/CTI vote.

2. To allow the Deputy Treasurer (as well as the VP/PP) to sign off on cheques.

Section 29. Cheques currently states

29.1. All cheques, drafts, bills of exchange, promissory notes and other negotiable instruments shall be signed by two members of Council of whom one shall be a member of the Executive Committee, who shall normally be the Treasurer, and one other of the following: Either the President, the Secretary, or the Council member who is the State Representative of the State wherein the Treasurer resides.

Proposal: add "the Deputy Treasurer, the Vice President or the Immediate Past President (whichever is in office)" to the last sentence after Secretary.

Amended:

29.1. All cheques, drafts, bills of exchange, promissory notes and other negotiable instruments shall be signed by two members of Council of whom one shall be a member of the Executive Committee, who shall normally be the Treasurer, and one other of the following: Either the President, the Secretary, the Deputy Treasurer, the Vice President or the Immediate Past President (whichever is in office), or the Council member who is the State Representative of the State wherein the Treasurer resides.

Please click here to access the full minutes and other reports from the AGM.

PUBLICATIONS OF INTEREST

OUR SUSTAINING MEMBERS

Anti-HMGB1 antibody [EPR3507] (ab79823)

Anti-Lamin B1 antibody [EPR8985(B)] (ab133741)

Anti-N myc interactor antibody [EPR11065(2)] (ab183724)

Xiahou Z et al. (2017) NMI and IFP35 serve as proinflammatory DAMPs during cellular infection and injury. Nature communications.

doi: 10.1038/s41467-017-00930-9

Anti-PCNA antibody [EPR3821] (ab92552)

Anti-CD98 antibody [EPR3548(2)] (ab108300)

Robles-Valero J et al. (2017) A Paradoxical Tumor-Suppressor Role for the Rac1 Exchange Factor Vav1 in T Cell Acute Lymphoblastic Leukemia. Cancer cell.

doi: 10.1016/j.ccell.2017.10.004

Anti-DARPP32 antibody [EP720Y] (ab40801)

Yu M et al. (2017) Suppression of MAPK11 or HIPK3 reduces mutant Huntingtin levels in Huntington's disease models. Cell Res.

doi: 10.1038/cr.2017.113

TW-37 is a novel nonpeptide inhibitor to recombinant Bcl-2, Bcl-xL and Mcl-1 (http://www.selleckchem.com/products/TW-37.html) and Vorinosta is an HDAC inhibitor (http://www.selleckchem.com/products/Vorinostat-saha.html)

McManus MT et al, 2017.

Drug-tolerant persister cancer cells are vulnerable to GPX4 inhibition.

Nature. 2017 Nov 9;551(7679):247-250. doi: 10.1038/nature24297. Epub 2017 Nov 1.

Idelalisib (CAL-101, GS-1101) is a selective p110δ inhibitor (P13Kδ inhibitor) (http://www.selleckchem.com/products/CAL-101.html)

Ruland J, et al 2017

PD-1 is a haploinsufficient suppressor of T cell lymphomagenesis.

Nature. 2017 Dec 7;552(7683):121-125. doi: 10.1038/nature24649. Epub 2017 Nov 15.

Bortezomib (PS-341) is a potent 20S proteasome inhibitor (http://www.selleckchem.com/products/Bortezomib.html)

Wertz IE, et al 2017

USP7 small-molecule inhibitors interfere with ubiquitin binding.

Nature. 2017 Oct 26;550(7677):534-538. doi: 10.1038/nature24006. Epub 2017 Oct 18.

EasySep™ Mouse CD11c Positive Selection Kit II (Cat# 18780)

EasySep™ Mouse CD8+ T Cell Isolation Kit (Cat# 19853)

Human Peripheral Blood Mononuclear Cells, Frozen (Cat#70025)

Meng Michelle Xu et al., 2017 Aug 15

Dendritic Cells but Not Macrophages Sense Tumor Mitochondrial DNA for Cross-priming through Signal Regulatory Protein α Signaling

Immunity

10.1016/j.immuni.2017.07.016

EasySep™ Human CD34 Positive Selection Kit (Cat# 18056)

StemSpan™ CD34+ Expansion Supplement (10X) (Cat#02691)

MethoCult H4434 Classic (Cat# 04434)

ReLeSR™ (Cat# 05872)

STEMdiff Definitive Endoderm Kit (Cat# 05110)

Xianfang Wu et al., 2017 Dec 4

Intrinsic Immunity Shapes Viral Resistance of Stem Cells

Cell

10.1016/j.cell.2017.11.018

EasySep Human Monocyte Isolation Kit (Cat# 19359)

Spencer A. Freeman et al., 2018 Jan 11

Transmembrane Pickets Connect Cyto- and Pericellular Skeletons Forming Barriers to Receptor Engagement

Cell

10.1016/j.cell.2017.12.023

Service: Knock-in mouse model (https://www.ozgene.com/services/knock-in-mice)

Marnik et al. (2017). Precocious Interleukin 21 Expression in Naive Mice Identifies a Natural Helper Cell Population in Autoimmune Disease. Cell Reports. doi: 10.1016/j.celrep.2017.09.036

Service: Knock-in mouse model (https://www.ozgene.com/services/knock-in-mice)

Karsten et al. (2017). Monitoring C5aR2 Expression Using a Floxed tdTomato-C5aR2 Knock-In Mouse. The Journal of Immunology. doi: 10.4049/jimmunol.1700710

Service: Knockout mouse model (https://www.ozgene.com/services/knockout-mice)

Wu et al. (2017). Myeloid deficiency of CCN3 exacerbates liver injury in a mouse model of nonalcoholic fatty liver disease. Journal of Cell Communication and Signaling. doi: 10.1007/s12079-017-0432-4

NeuroMag

Name of product: Magnetofection - NeuroMag

http://www.ozbiosciences.com/transfection-cell-specific/52-neuromag-neuron-transfection-reagent.html

Author et al, year: Ching-Chieh Chou et al, 2018

Full title of article: TDP-43 pathology disrupts nuclear pore complexes and nucleocytoplasmic transport in ALS/FTD

Title of journal: Nature Neuroscience

Doi:10.1038/s41593-017-0047-3

LentiBlast

Name of product: LentiBlast

http://www.ozbiosciences.com/transduction-infection/75-lentiblast-transduction-infection-lentivirus-booster.html

Author et al, year: Araújo-Vilar D. et al, 2018

Full title of article: Association of metreleptin treatment and dietary intervention with neurological outcomes in Celia's encephalopathy.

Title of journal: European Journal of Human Genetics

Doi: 10.1038/s41431-017-0052-8

CombiMag

Name of product: CombiMag

http://www.ozbiosciences.com/transfection-dna/32-combimag-cotransfection-magnetofection-transfection-reagent.html

Author et al, year: Lesage-Padilla A. et al, 2017

Full title of article: Maternal metabolism affects endometrial expression of oxidative stress and FOXL2 genes in cattle.

Title of journal: PloS One

Doi: 10.1371/journal.pone.0189942.

LEGENDplex™ Human Proinflammatory Chemokine Panel (13-plex)

TTI-621 (SIRPαFc), a CD47-blocking cancer immunotherapeutic, triggers phagocytosis of lymphoma cells by multiple polarized macrophage subsets

Journal: PLoS One Vol/Page: 10.1371/journal.pone.0187262 Authors: Lin G,et al. 2017

Zombie Red™ Fixable Viability Kit

Sensory TRP channels contribute differentially to skin inflammation and persistent itch

Journal: Nat Commun. Vol/Page: 10.1038/s41467-017-01056-8 Authors: Feng J,et al. 2017

PE/Dazzle™ 594 anti-mouse Ly-6C Antibody

MKL1 expressed in macrophages contributes to the development of murine colitis

Journal: Sci Rep. Vol/Page: 10.1038/s41598-017-13629-0 Authors: An J,et al. 2017

ABOUT THE

AUSTRALASIAN SOCIETY FOR IMMUNOLOGY

Australasian Society for Immunology Inc.

The aim of the ASI is to encourage and support the discipline of immunology in the Australasian region.

The Australasian Society for Immunology Incorporated (ASI) was created by the amalgamation in 1991 of the Australian Society for Immunology, formed in 1970, and the New Zealand Society for Immunology, formed in 1975. It is a broadly based society, embracing clinical and experimental, cellular and molecular immunology in humans and animals. The Society provides a network for the exchange of information and for collaboration within Australia, New Zealand and overseas. ASI members have been prominent in advancing biological and medical research worldwide. We seek to encourage the study of immunology in Australia and New Zealand and are active in introducing young scientists to the discipline.

ASI Member Benefits include:

- International Travel Awards
- Bursaries to attend ASI's Annual Meeting
- New Investigator and Student Awards at ASI Annual Meeting
- ASI Women's Initiative to support female scientists
- ASI Member's benefits publishing in ASI Journals ICB and CTI
- Special offers from ASI's Sustaining Members
- Full access to the journals Immunology and Cell Biology, Clinical and Translational Immunology

ASI COUNCIL

Executive

President - Susanne Heinzel president@immunology.org.au

Vice President – John Fraser j.fraser@auckland.ac.nz

Honorary Secretary - Elissa Deenick secretary@immunology.org.au

Treasurer - Kim Jackobson treasurer@immunology.org.au

Deputy Treasurer - Asolina Braun abraun@unimelb.edu.au

Voting Council

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Meeting Co-ordinator - Meredith O'Keefe meredith.okeeffe@monash.edu

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2018 LOC Meeting Co-Chair – Scott Fisher scott.fisher@uwa.edu.au

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